

T
223
H2X
NMAH

ANNUAL REPORT

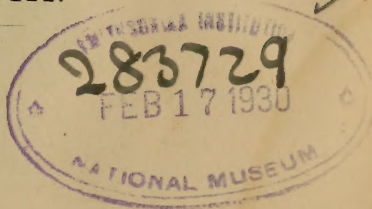
OF THE

COMMISSIONER OF PATENTS,

FOR

THE YEAR 1868.

VOLUME III.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1869.

IN THE HOUSE OF REPRESENTATIVES,
April 9, 1869.

Resolved by the House of Representatives, (the Senate concurring,) That there be printed thirty thousand extra copies of the next Report of the Commissioner of Patents, of which seventeen thousand shall be for the use of the House, eight thousand for the use of the Senate, and five thousand for the use of the Commissioner of Patents.

Attest:

EDW. MCPHERSON, *Clerk.*

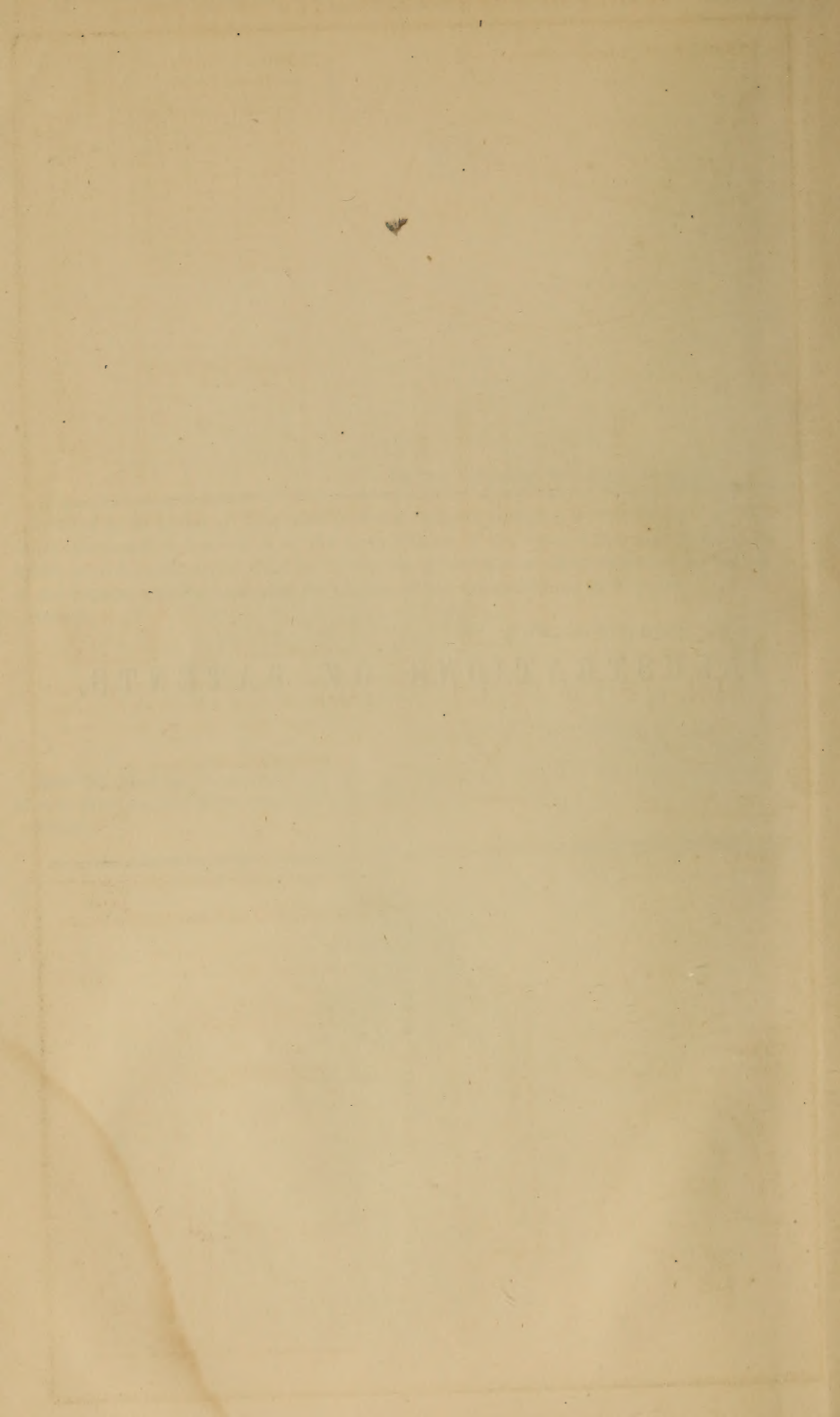
IN SENATE OF THE UNITED STATES,
December 9, 1869.

Resolved, That the Senate agree to the resolution of the House of Representatives relative to printing the Report of the Commissioner of Patents.

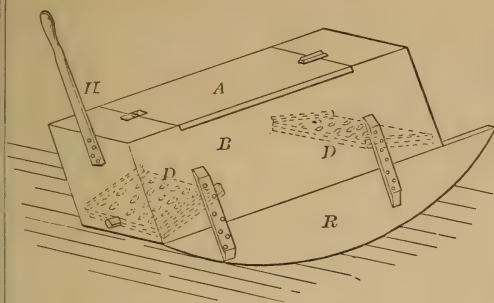
Attest:

GEO. C. GORHAM, *Secretary.*

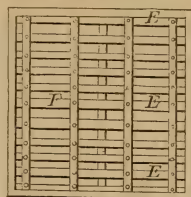
ILLUSTRATIONS OF PATENTS.



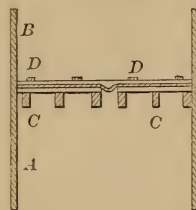
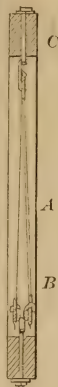
72959—H. W. Adams—*Churn.*



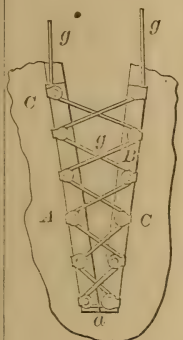
72960—J. Barbian—*Ice House Floor.*



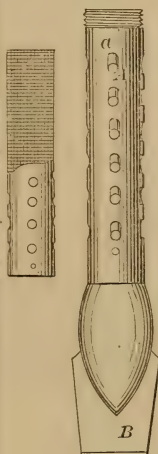
72967—J. C. Brown—*Loam Hoaxes.*



72961—J. Barbier—*Shoe Fastening.*



72962—Barry & McGuire—*Well.*



72963—G. Beaty—*Boot and Shoe Heel.*



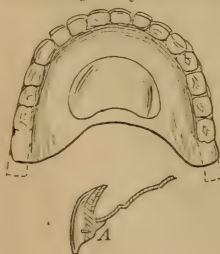
72966—Boynton & McGaw—*Removing Burrs and other Vegetable Matter from Wool.*



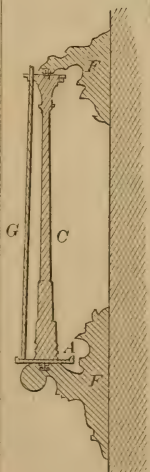
72965—F. W. Blanchard—*Baggage Check.*



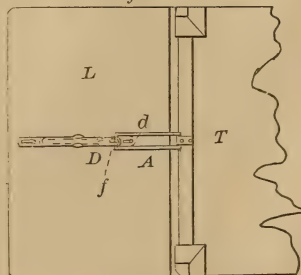
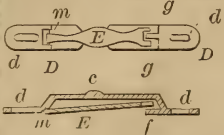
72968—T. Y. Brown—*Fastening Artificial Teeth.*



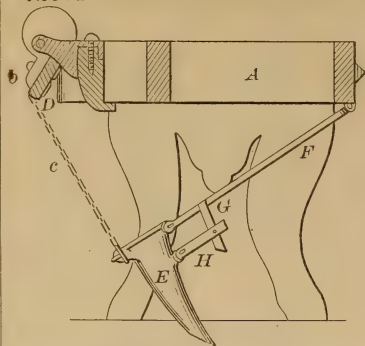
72969—E. Brunswick—*Billiard Cue Rack.*



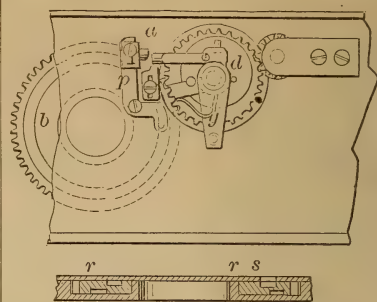
72970—D. Bull—*Table Leaf Support.*



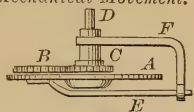
72971—Bundel & Williams—*Seed Planter.*



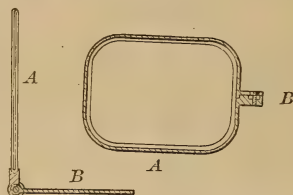
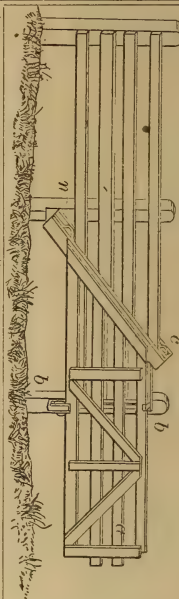
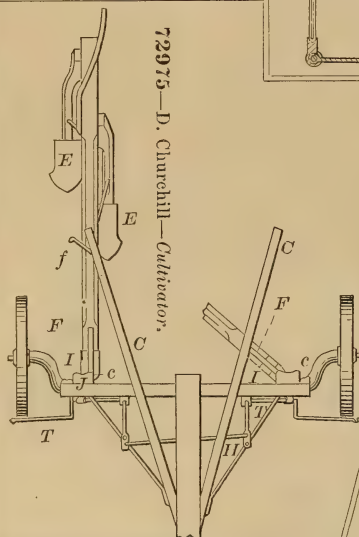
72974—W. Chicken—*Sewing Machine.*



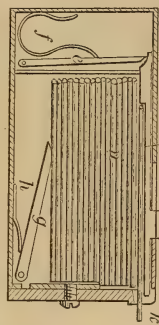
72972—H. C. Burk—
Mechanical Movement.



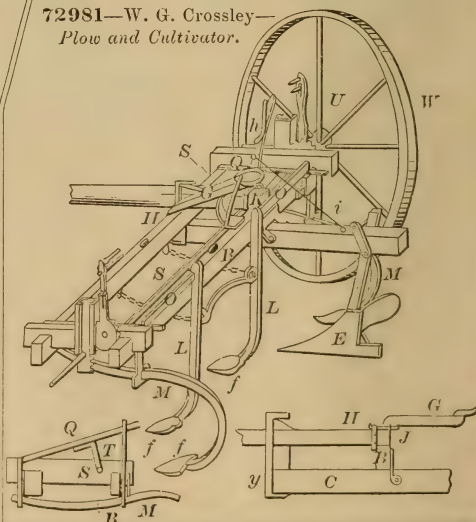
72978—E. M. Cole—*Eye Glass*.

72976—W. D. Clark—*Farm Gate.*72975—D. Churchill—*Cultivator*

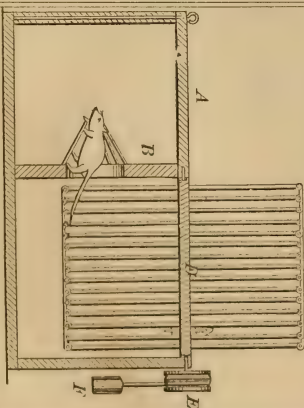
72973—P. D. M. Carmichael—
Match Safe, B



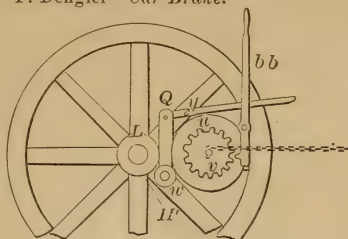
72981—W. G. Crossley—
Plow and Cultivator. /



72979—W. Cover—Animal Trap.



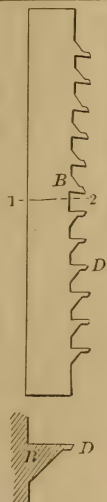
72984—F. Dengler—*Car Brake*.



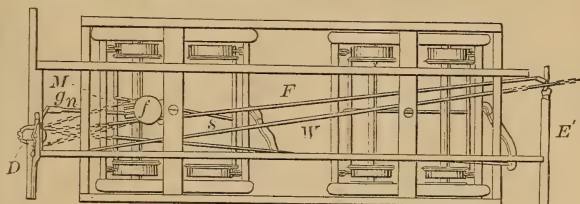
72982—T. Cullen—*Cartridge for Small Arms*.



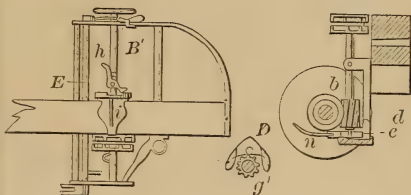
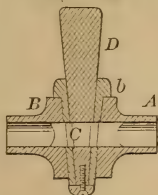
72983—J. Davis—*Scm.*



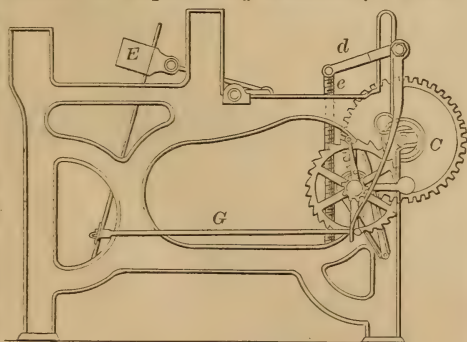
72985—Dick & Preston, Jr.—*Car Brake*.



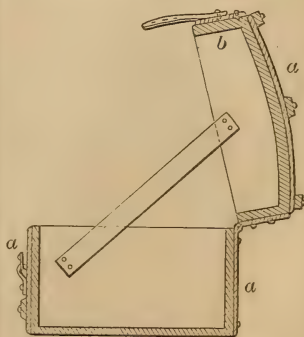
72986—J. Doering—*Stop Cock*.



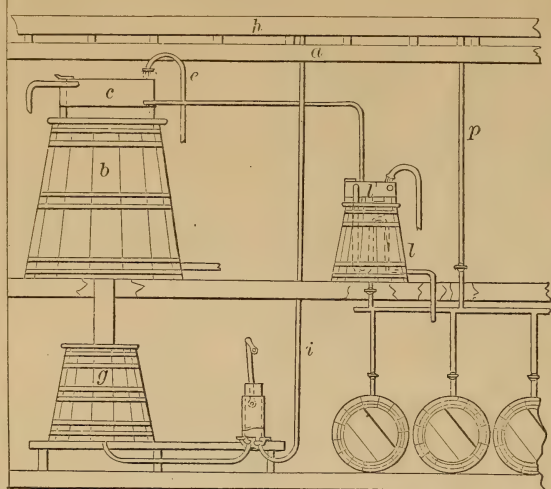
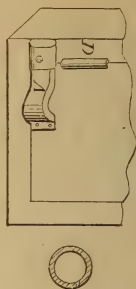
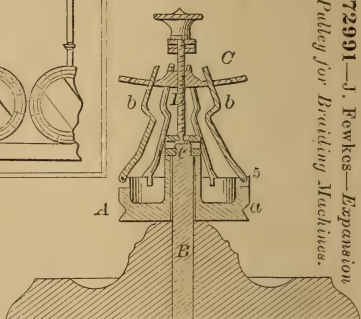
72987—G. Draper—*Let-off Mechanism for Looms*.



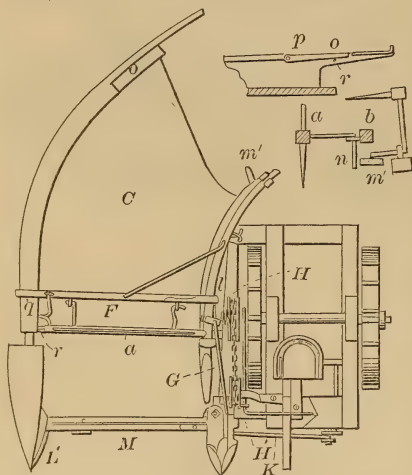
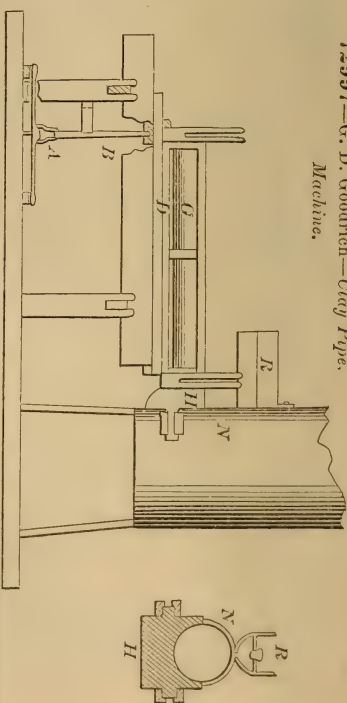
72988—J. S. Eaton—*Trunk*.



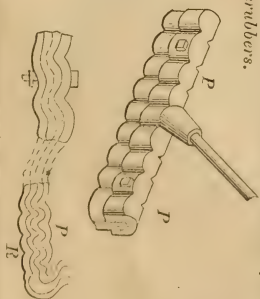
72989—W. H. Elliott—Brewing.

72992—B. G. Fitzhugh—India
Rubber Door Spring.72991—J. Fewkes—Expansion
Pulley for Bracing Machines.

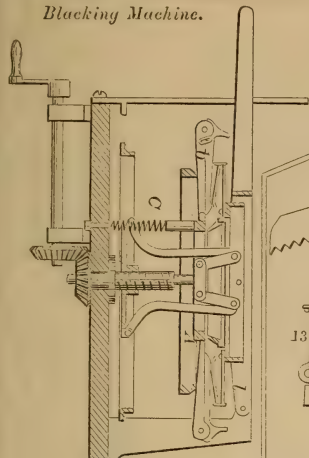
72990—V. H. Felt—Harvester Rake.

72997—G. D. Goodrich—Clay Pipe
Machine.

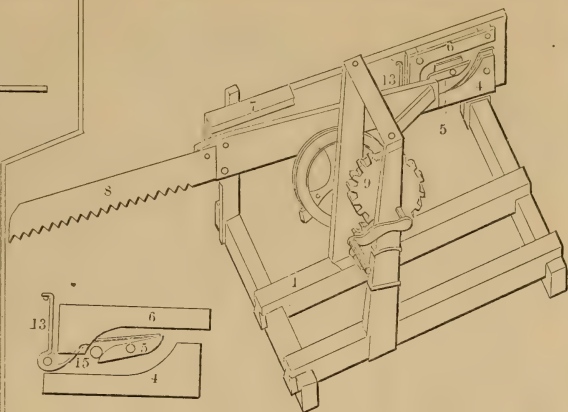
72995—L. M. Gilbert—Scissors Sharpener.

72993—L. Fleckenstine—Holder for Gun
Screwdrivers.

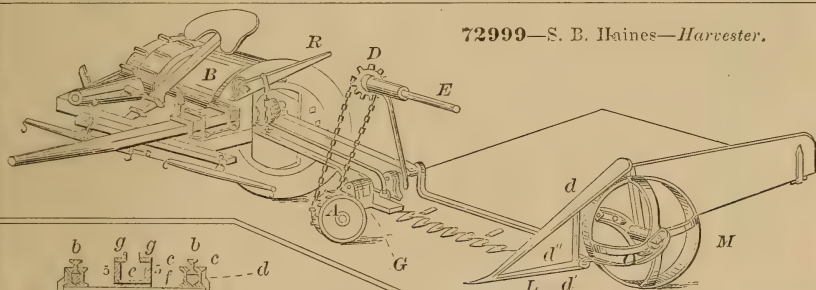
72998—W. C. Griswold—*Hat Blacking Machine.*



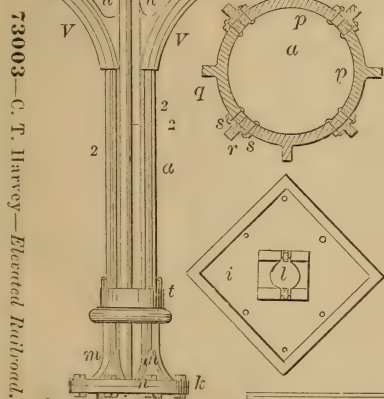
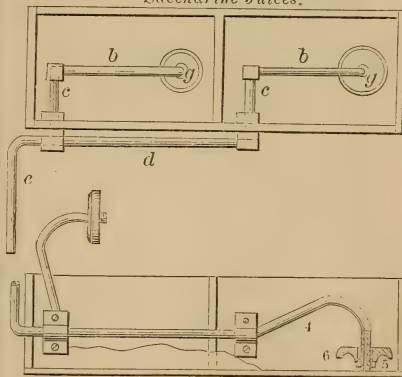
73000—J. R. Harmon—*Sawing Machine.*



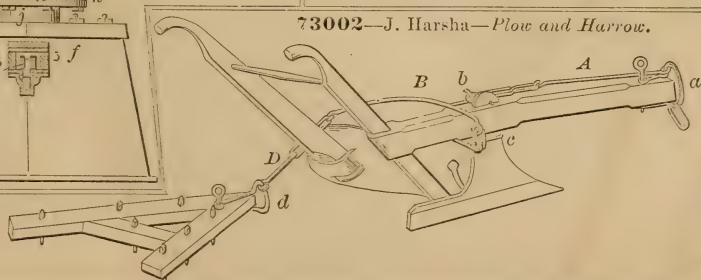
72999—S. B. Haines—*Harvester.*



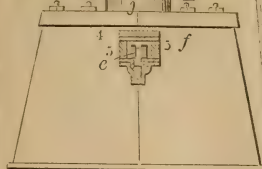
73001—L. P. Harris—*For Clarifying Saccharine Juices.*



73002—J. Harsha—*Plow and Harrow.*

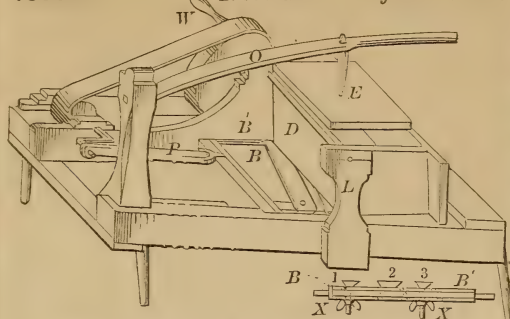


73003—C. T. Harvey—*Electric Railroad.*

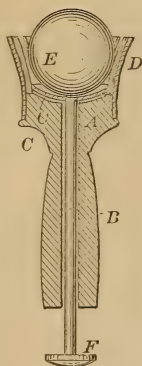
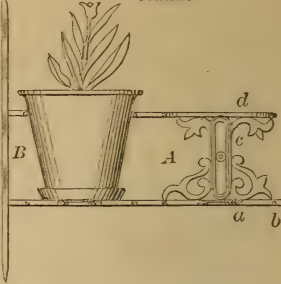


73004—

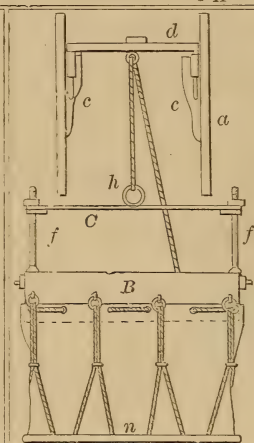
T. J. Hatfield—Vegetable Cutter.



73005—C. J. Hauck—Flower Stand.

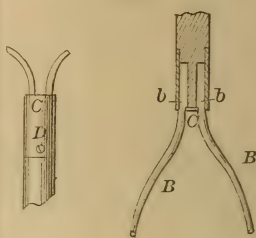


73006—J. E. Hawkins—Toy.

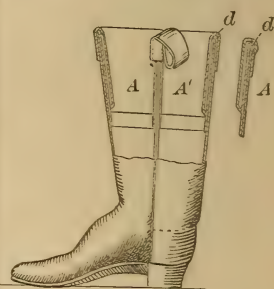


73007—E. Hawthorne—Fire Escape.

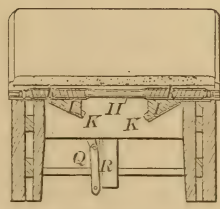
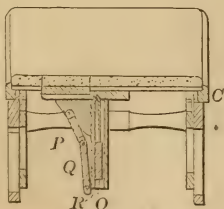
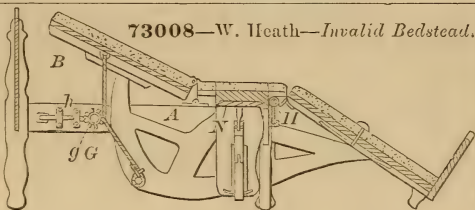
73009—J. G. Hitchcock—Hay Fork.



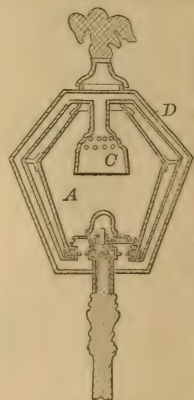
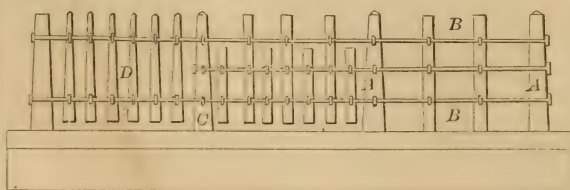
73010—J. Holland—Boot.



73008—W. Heath—Invalid Bedstead.

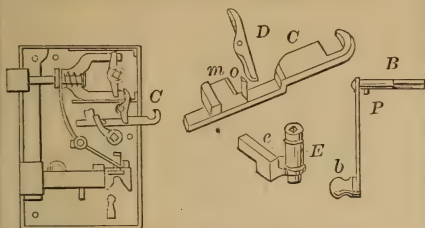


73011—D. S. Humphrey—Field Fence.

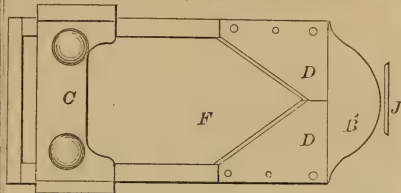


73012—J. H. Irwin—Lantern.

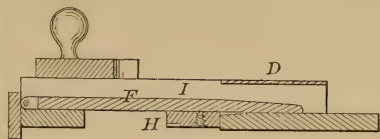
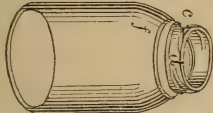
73013—A. Iske—Door Alarm Lock.



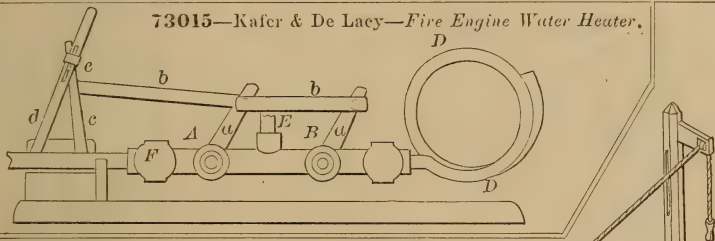
73017—Madden & Haserot—Bread Cutter.



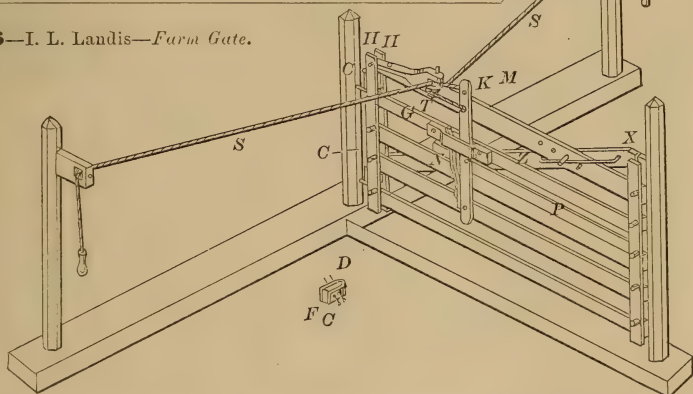
73014—J. F. Johnson—Jar Cover Fastening.



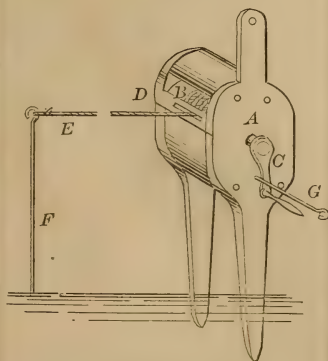
73015—Kafer & De Lacy—Fire Engine Water Heater.



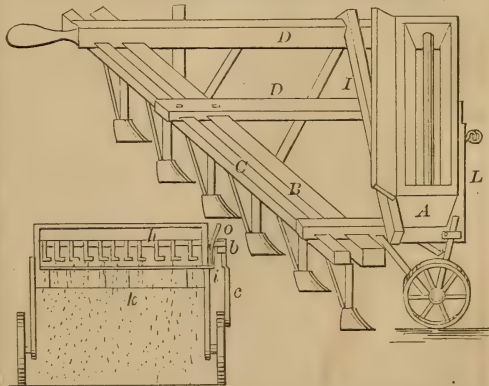
73016—I. L. Landis—Farm Gate.



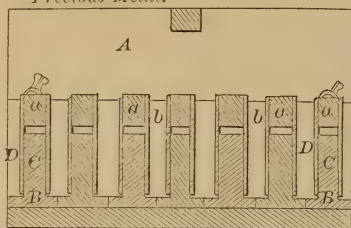
73019—L. Martin—Line Reel.



73020—H. S. Matteson—Seeder and Cultivator.



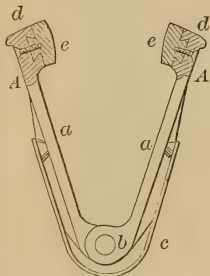
73021—J. T. McDougall—*For Collecting Precious Metal.*



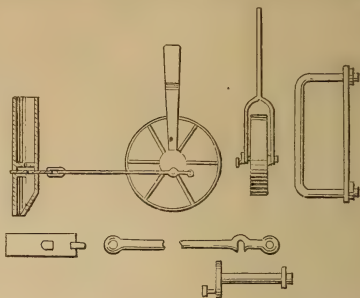
73026—C. Mudge—*Cotton Bale Tie.*



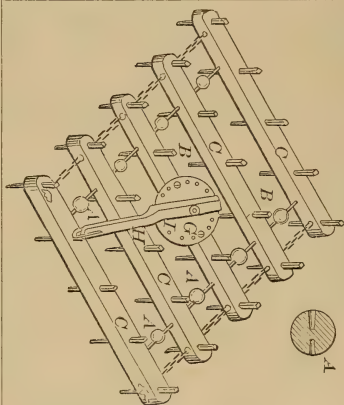
73028—H. O. Nauen—*Vise Clamp.*



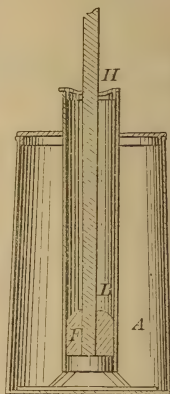
73022—P. McIsaac—*Corn Planter and Plow.*



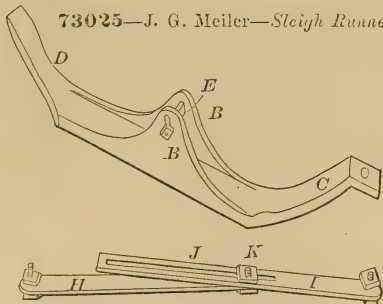
73021—J. Mercier—*Harrow.*



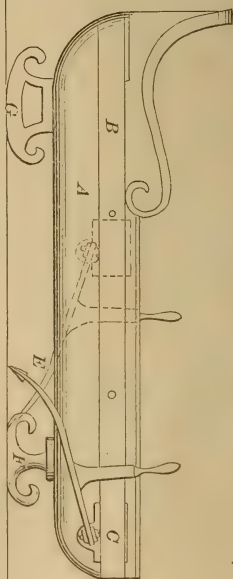
73023—G. McWilliams—*Churn.*



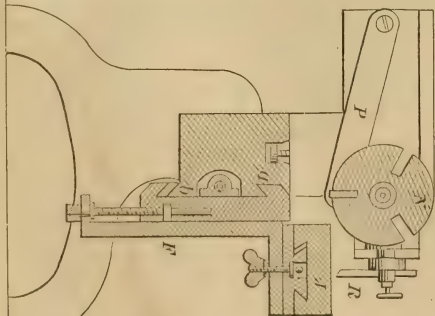
73025—J. G. Meiler—*Sleigh Runner.*



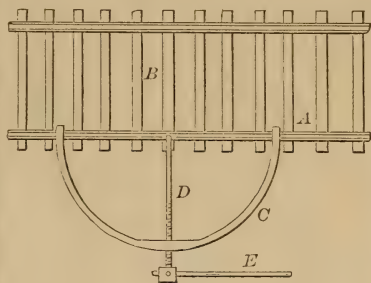
73029—M. Newman—*Velocipede.*



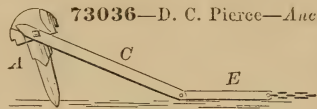
73027—L. F. Munger—*Lathe.*



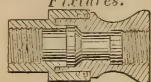
73033—G. Patterson—Rail Set.



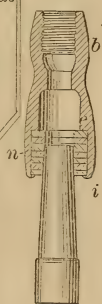
73036—D. C. Pierce—Anchor.



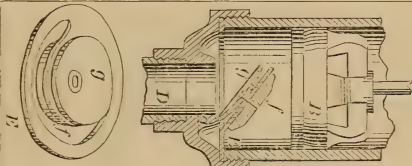
73039—T. L. Reed—Lock Coupling for Gas Pipes.



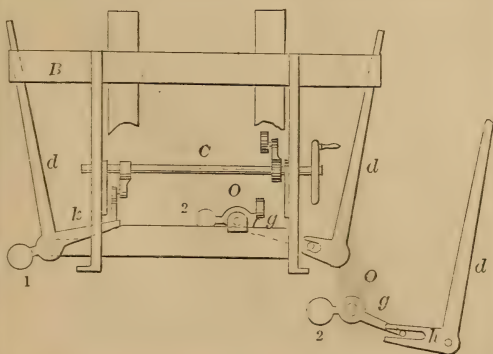
73040—T. L. Reed—Gas Socker.



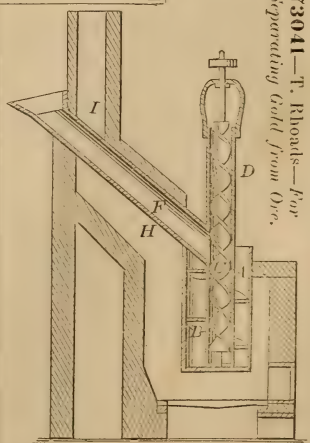
73038—W. H. Pollard—Pump Valve.



73037—J. Pilkington—Picker Motion for Looms.



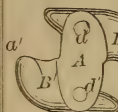
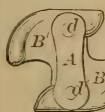
73041—T. Rhoads—Fan Separating Gold from Ore.



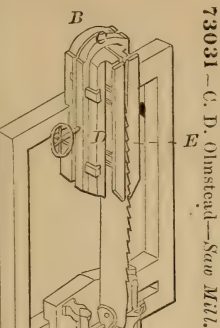
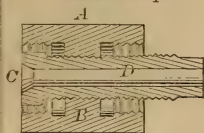
73030—L. W. Norcross—Pulley Block.



73031—J. L. Phillips—Cotton Bule Tie.



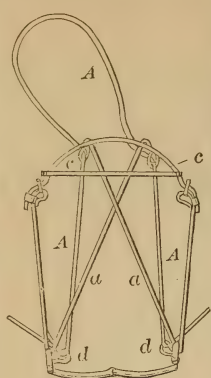
73032—C. E. Palmer—Steam Trap.



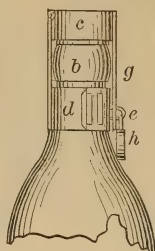
73031—C. D. Olmstead—Saw Mill.

73035—D. C. Pierce—Anchor.



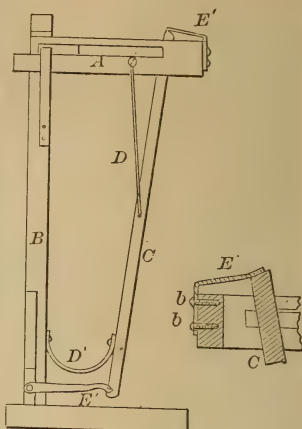


73042—Rice & Leach—Driving Brille.

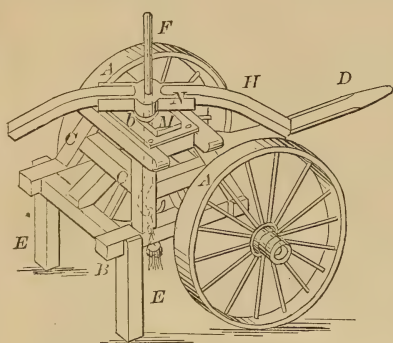


73043—W. H. Richards—For Securing Stoppers to Bottles.

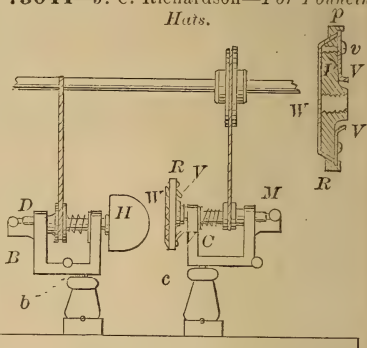
73045—E. Robbins—Check for Picker Staff.



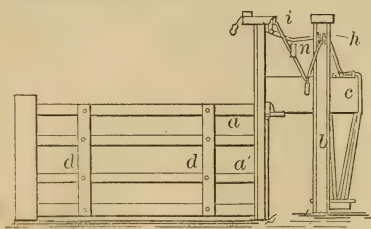
73046—J. B. Robertson—Stump Extractor.



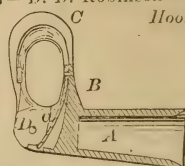
73044—J. C. Richardson—For Pouncing Hats.



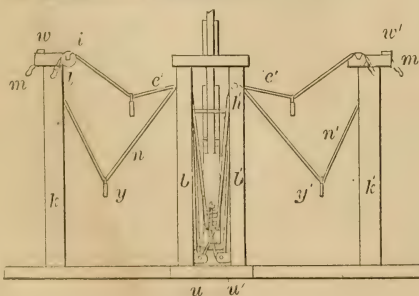
73049—W. H. Rogers—Gate.



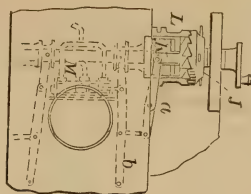
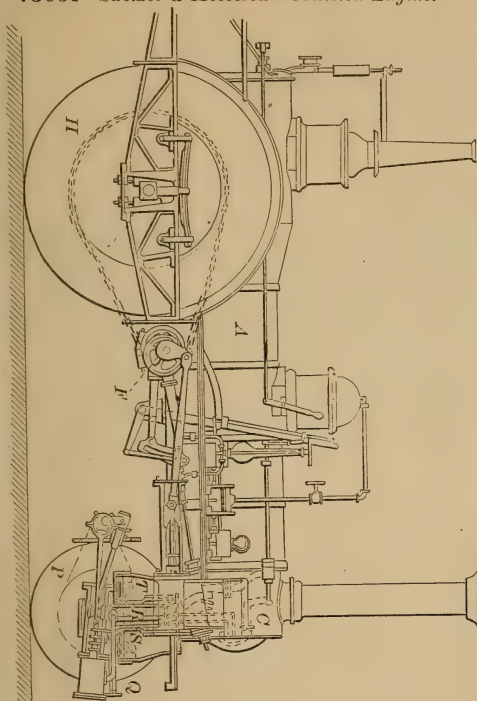
73047—D. D. Robinson—Whiffletree Hook.



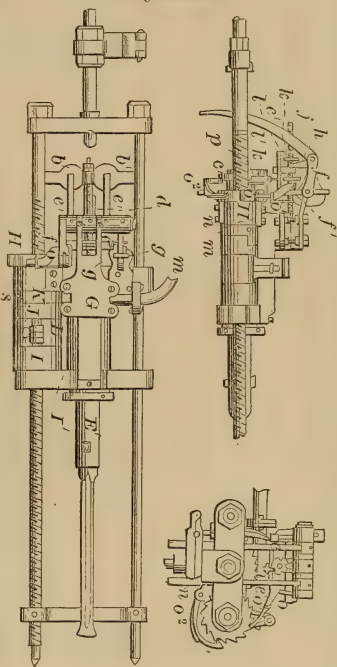
73050—G. E. Rust—Horse Shoe Cushion.



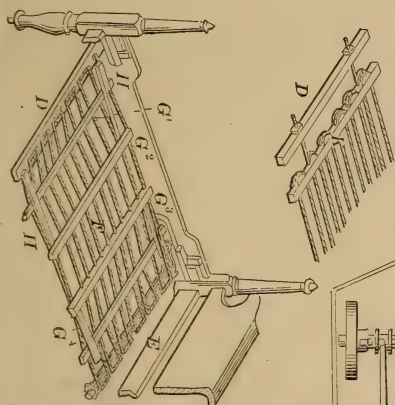
73051—Sheffler & Morrison—Traction Engine.



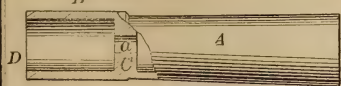
73053—C. Schumann—Rock Drilling Machine.



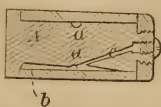
73052—A. Schillingman—
Bed Bottom.



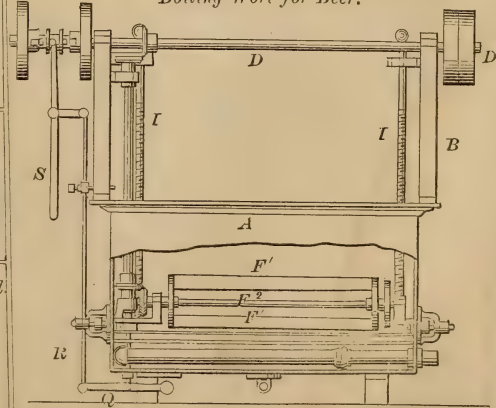
73054—A. B. Sharp—Defecating
Cane Juice.



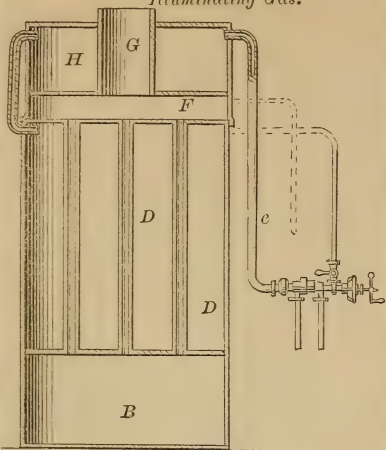
73055—C. D. Smith—Axle Journal.



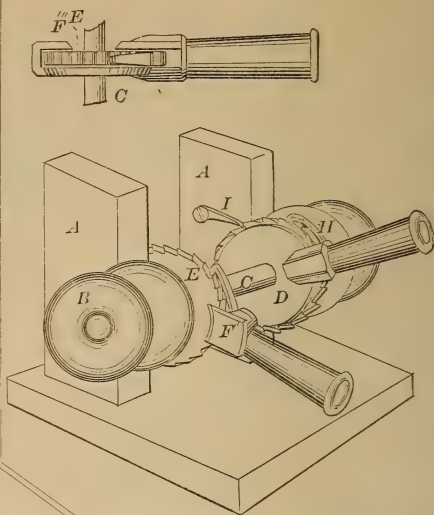
73056—J. & M. Stark—For Mashing and
Boiling Wort for Beer.



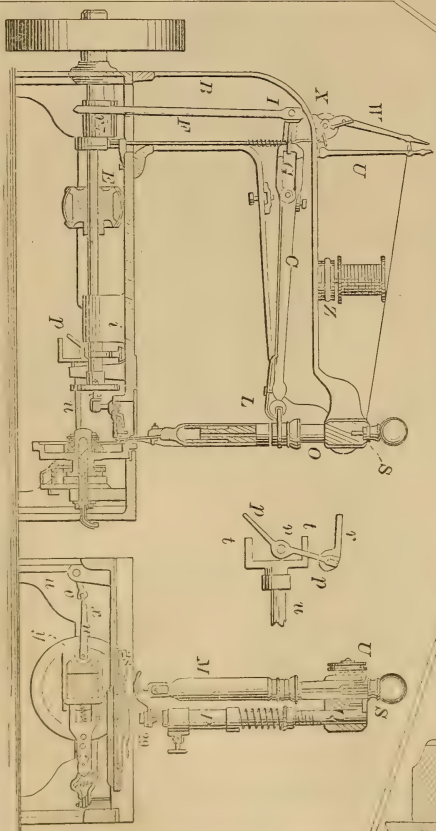
73057—L. Stevens—*Manufacture of Illuminating Gas.*



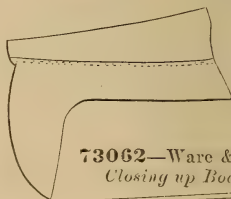
73059—L. L. Treman—*Windlass*.



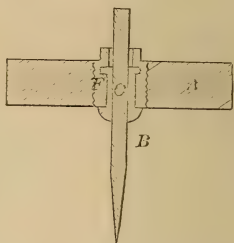
73063—A. Warth—Sewing Machine.



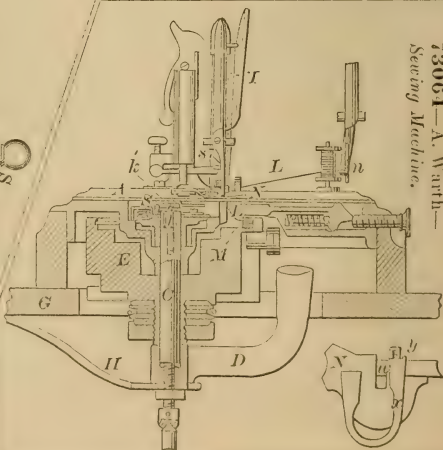
73062—Ware & Tilton—
Closing up Boot Legs.



73061—J. N. & T. Wallis—
Herbert.



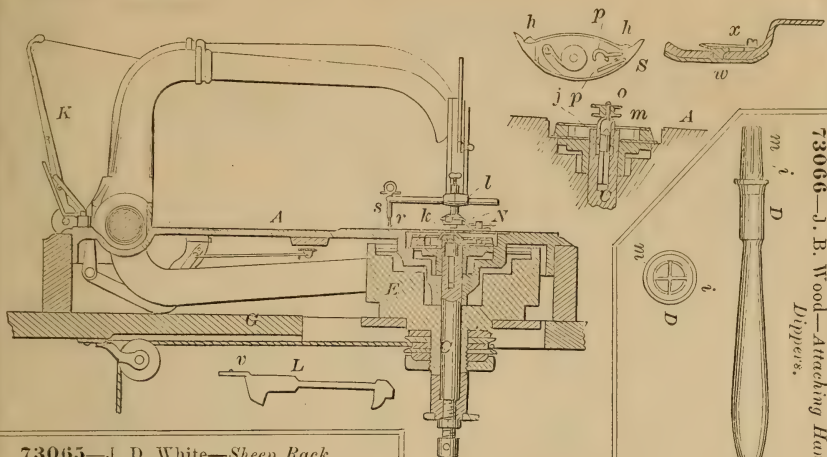
73064—A. Warth—
Sewing Machine.



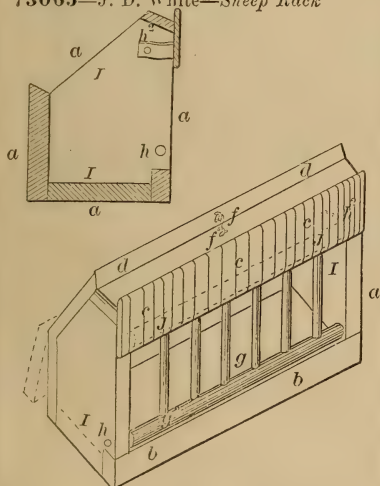
73058—I. Tillson—*Railway Chair.*



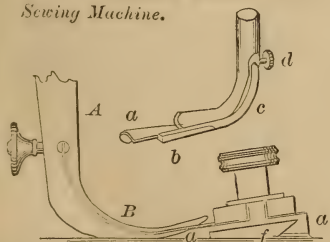
73064—Continued.



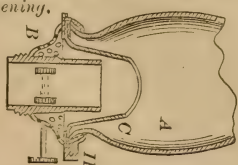
73065—J. D. White—Sheep Rack



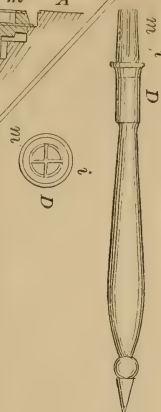
73067—Yentzer & McCain—Feller for Sewing Machine.



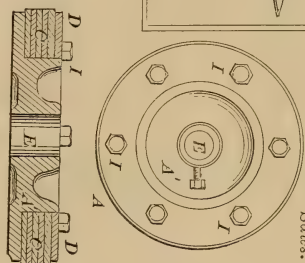
73068—Allen & Lewis—Lamp Chimney Fastening.



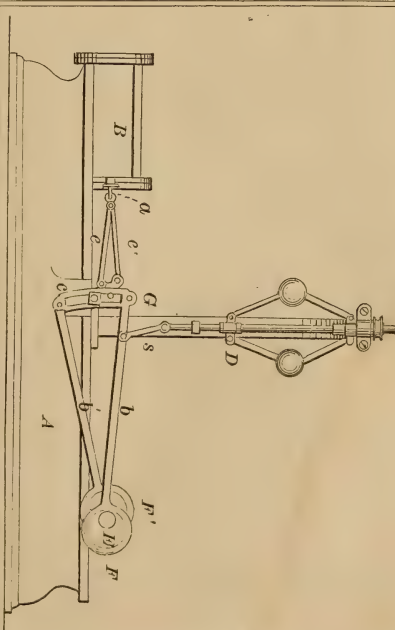
73066—J. B. Wood—Attaching Handles to Lipppers.



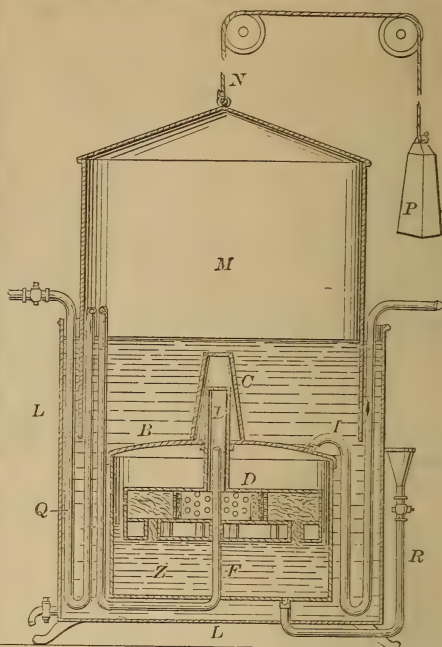
73070—T. A. Ballou—Friction Roller for Band Saws.



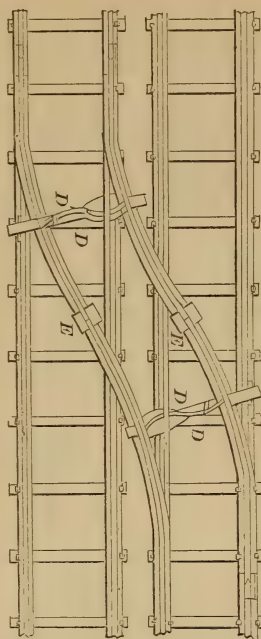
73069—J. F. Allen—Valve Gear.



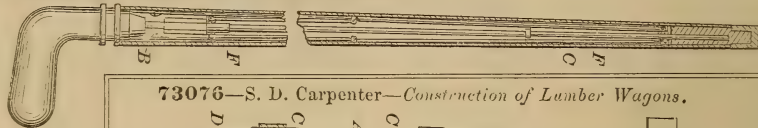
73073—W. W. Bierce—Carburetted Apparatus.



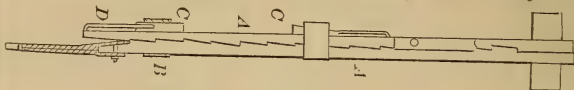
73071—T. G. Beecher—Railway Switch.



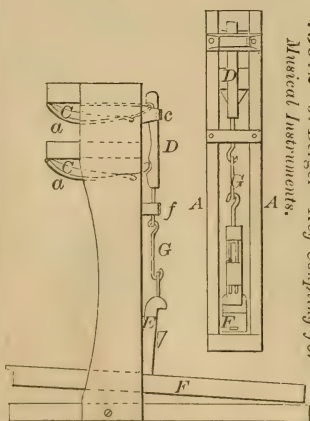
73074—G. Bockstaller—Cane and Umbrella.



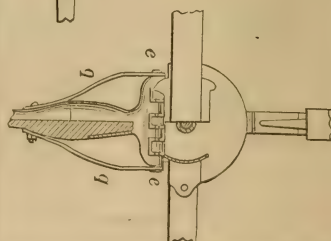
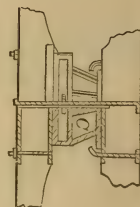
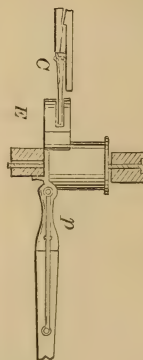
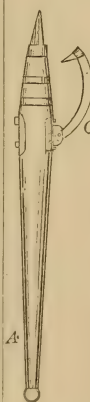
73076—S. D. Carpenter—Construction of Lumber Wagons.



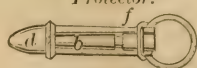
73072—J. Berger—Key Coupling for Musical Instruments.



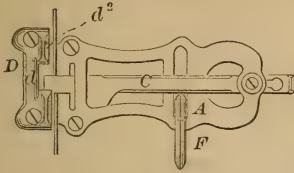
73075—E. Broad—Cent Hook.



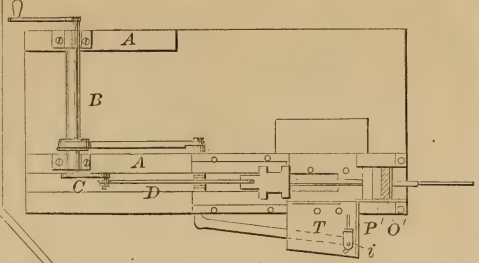
73077—A. J. Chase—Watch Key Protector.



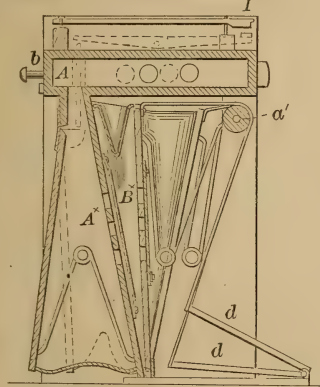
73078—P. P. Child—*Latch and Bolt.*



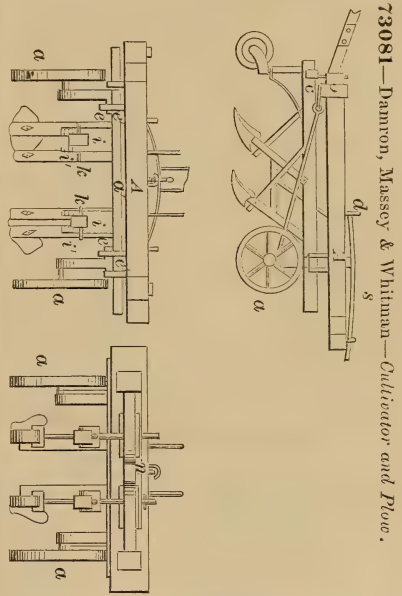
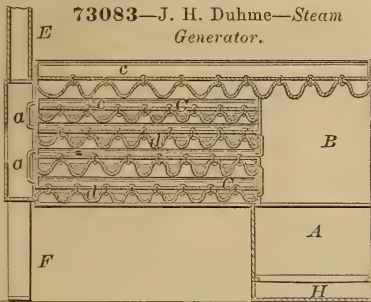
73079—W. H. Coombs—*For Pressing Brick.*



73080—W. Cooper—*Melodeon.*

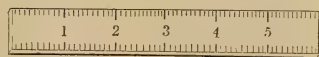


73083—J. H. Duhme—*Steam Generator.*

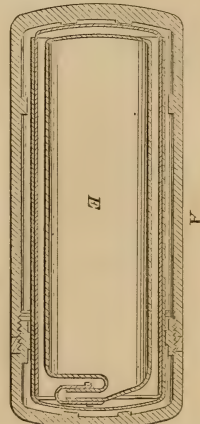
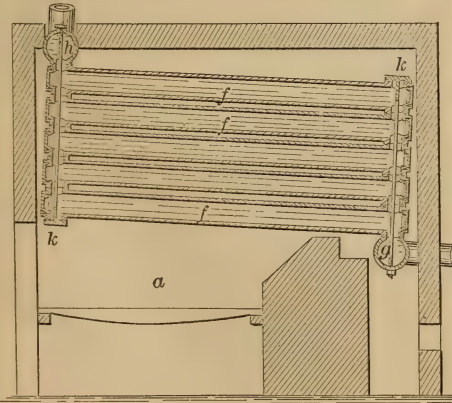


73081—Dannron, Massey & Whitman—*Cultivator and Plow.*

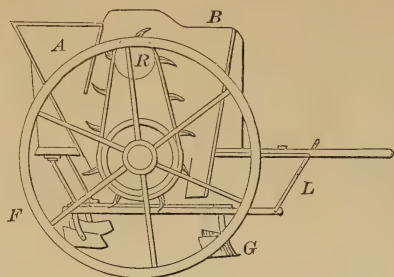
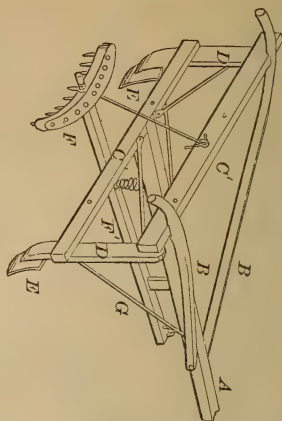
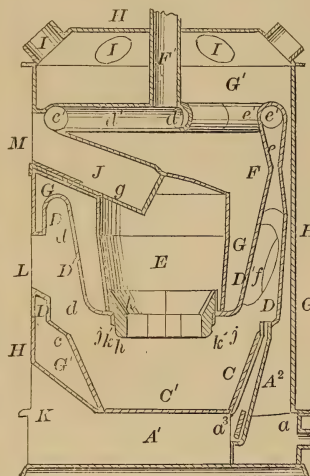
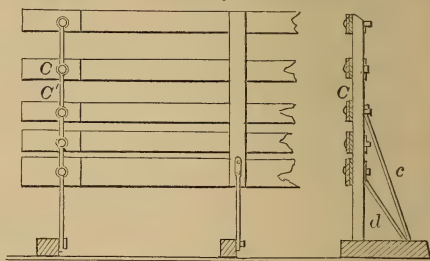
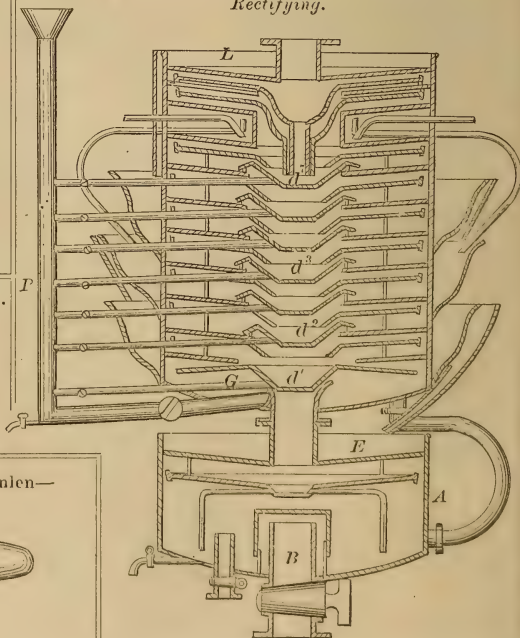
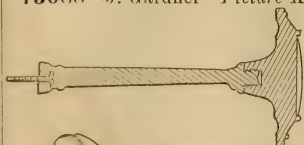
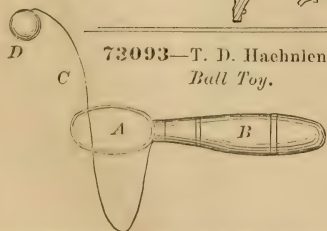
73082—S. Darlin—*Straight Edge.*



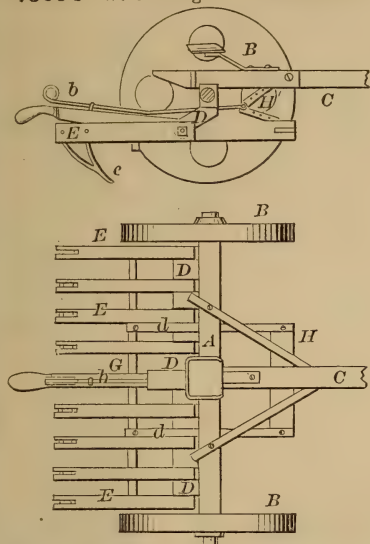
73084—C. R. Ellis—*Boiler for Heating.*



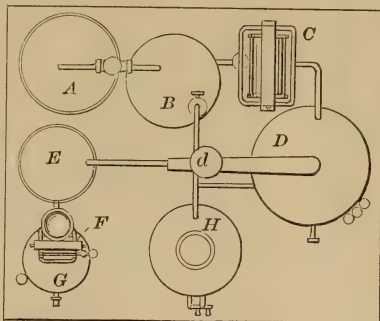
73085—J. P. Ellis—*Waterproof Safe.*

73086—H. Farmer—*Potato Planter.*73087—W. Frantz—*Cultivator.*73091—J. Gray—*Base Burning Hot Air Furnace.*73090—I. A. Gormley—*Field Fence.*73092—C. Gresiuchna—*For Distilling and Rectifying.*73088—J. Gardner—*Picture Knob.*73093—T. D. Haehnlen—*Ball Toy.*

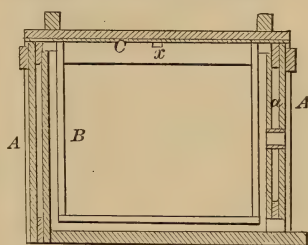
73094—W. O. Hargrave—Cultivator.



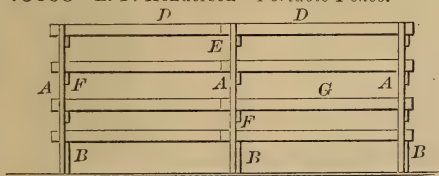
73099—Horton & Milligan—Spirit Meter.



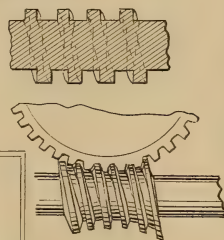
73096—C. Hastings—Beehive.



73098—L. F. Henderson—Portable Fence.



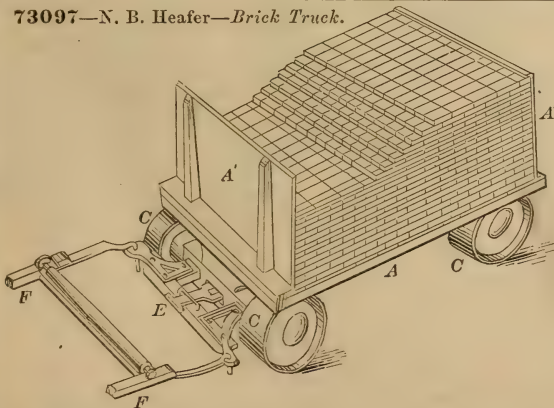
73095—Harrigan & Whitney—Gear Worm.



73100—G. W. Hubbard—Shaft Coupling.



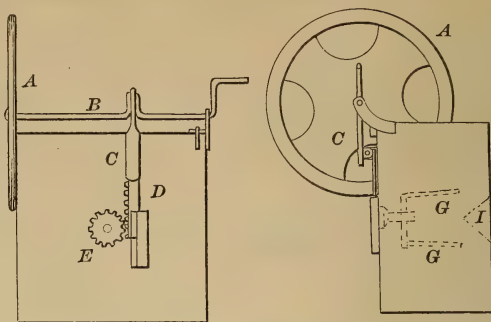
73097—N. B. Heafer—Brick Truck.



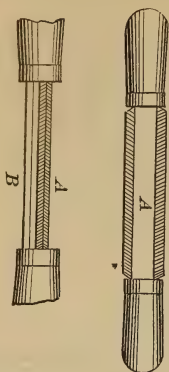
73101—E. Hutson—Pushing Jack for Railroad Cars.



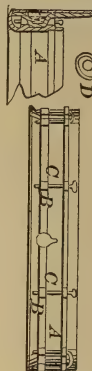
73103—J. Lee—Washing Machine.



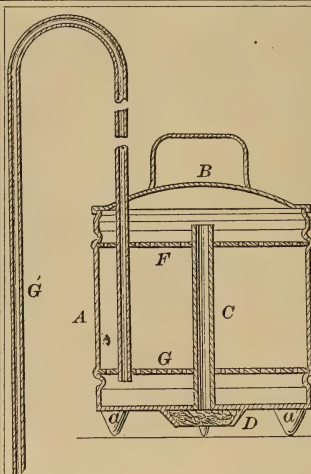
73102—W. M. Jones—For Sharpening Horse Shoe Calks.



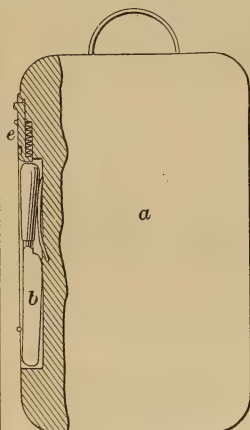
73106—E. Lindsley—Pantaloons Protecting Guard.



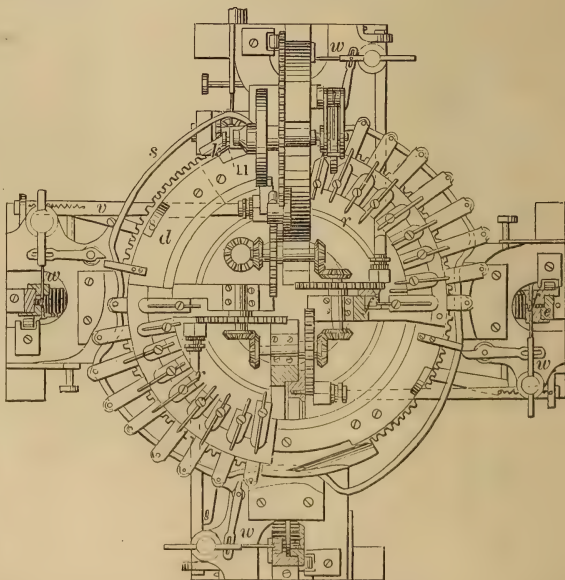
73105—J. N. Lighthall—Filter.



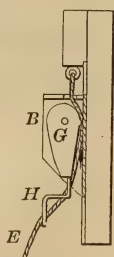
73104—W. H. Lewis—Bread Board.



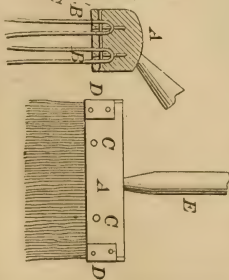
73110—B. A. Mason—Screw Machine.



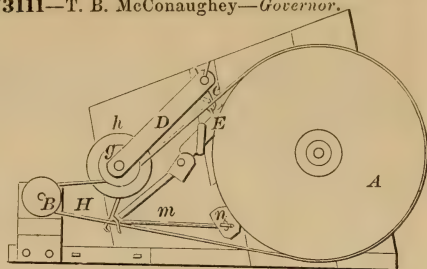
73108—T. J. Marins—Curtain Fixture.



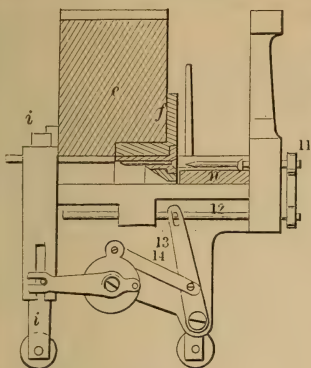
73107—H. Lumbar—Broom.



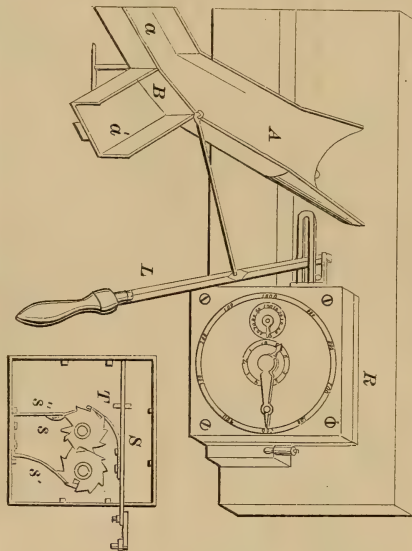
73111—T. B. McConaughey—Governor.



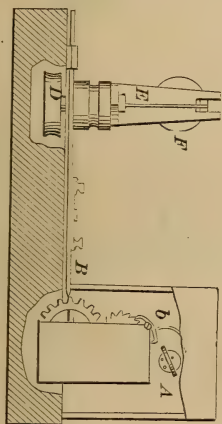
73110—Continued.



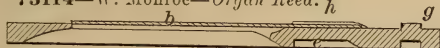
73112—E. O. Melvin—Grain Measure.



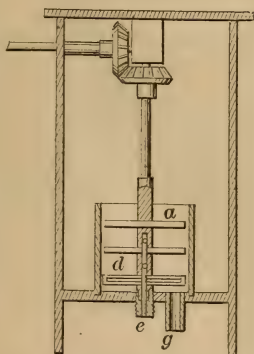
73113—J. F. Morsell—Railway Switch Alarm.



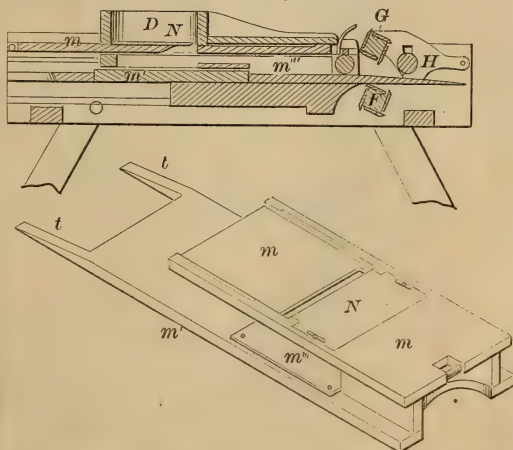
73114—W. Monroe—Organ Reed, h



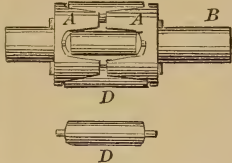
73115—G. G. Noah—For Making Paste.



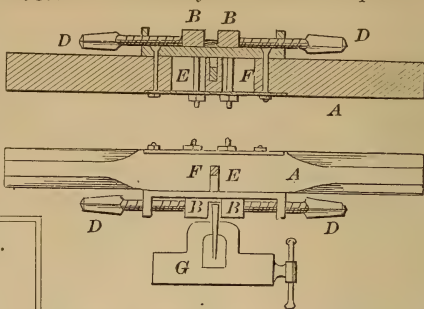
73116—D. L. Peacock—Shingle Machine.



73117—C. W. Pierce—*Friction Roller.*



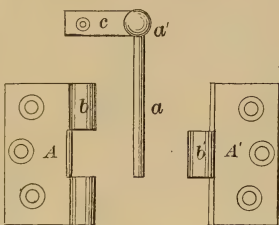
73118—R. F. Prettyman—*Skate Sharpener.*



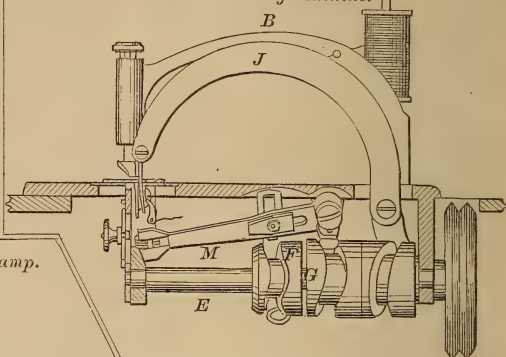
73121—E. J. Richardson—*Ticket Holder.*



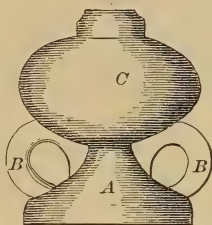
73120—R. Reiber—*Hinge.*



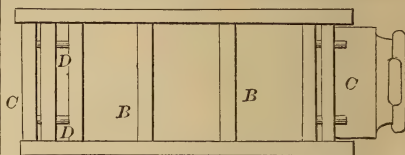
73119—G. Rehfuß—*Sewing Machine.*



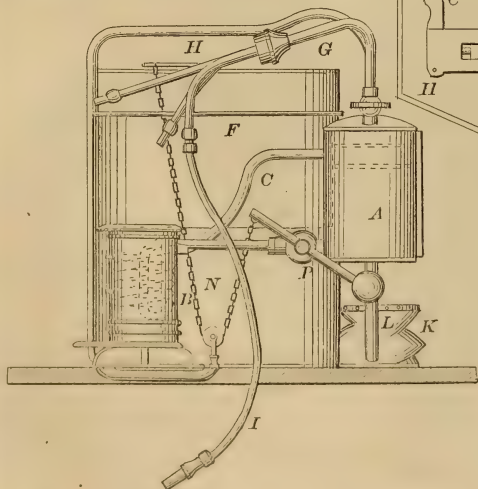
73122—D. C. Ripley—*Glass Lamp.*



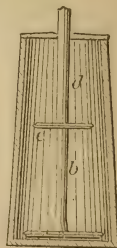
73123—J. Sangster—*For Handling Bricks.*



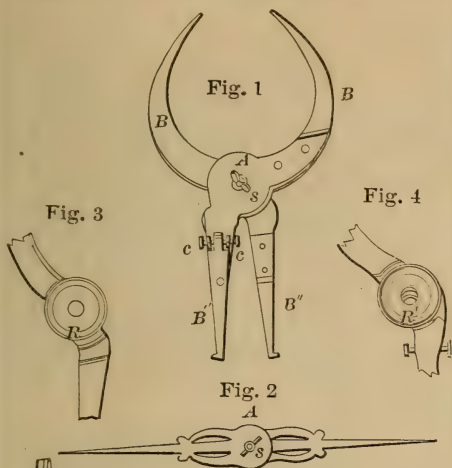
73124—D. F. Scheaf—*For Generating Gas.*



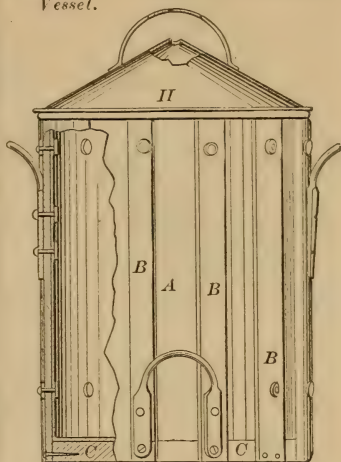
73125—C. Schifferly—*Churn.*



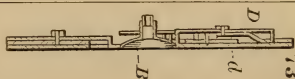
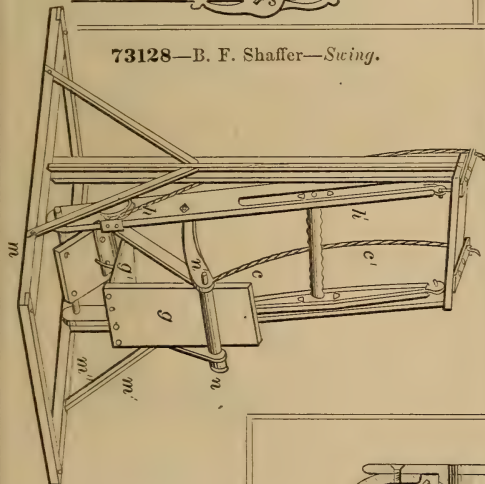
73126—E. S. Scripture—Dividers and Calipers.



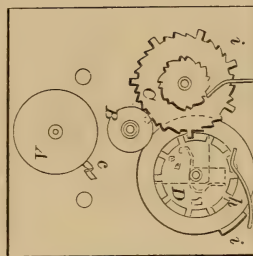
73130—W. Shires—Garbage Can or Vessel.



73128—B. F. Shaffer—Swing.



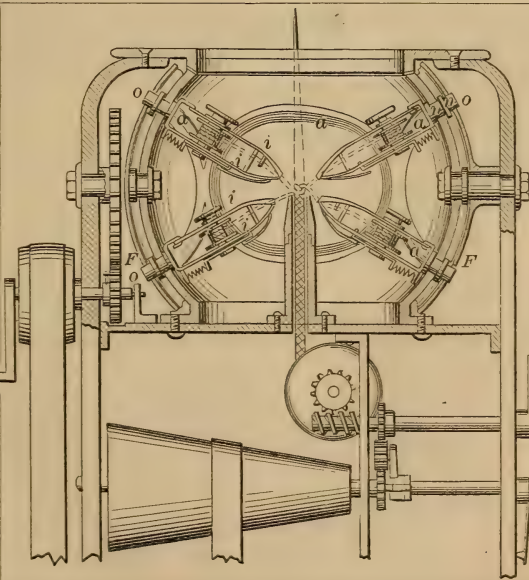
73127—J. K. Seem—Clock (Calendar).



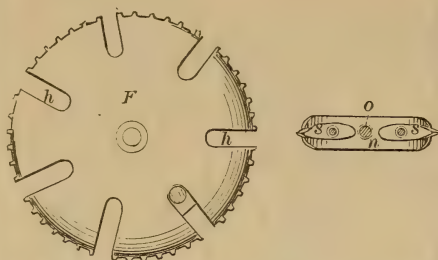
73129—T. E. Sherman—Gate.



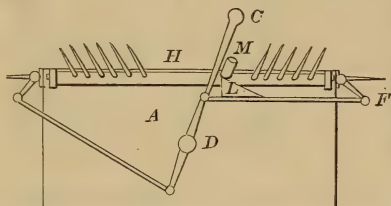
73131—P. L. Shanton—For Braiding Whip Lashes.



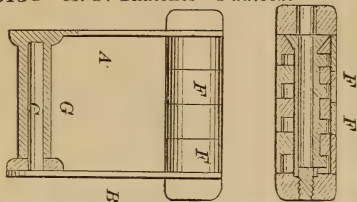
73131—Continued.



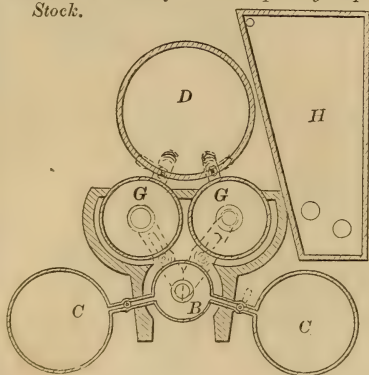
73132—G. R. K. Smith—Wagon Protector.



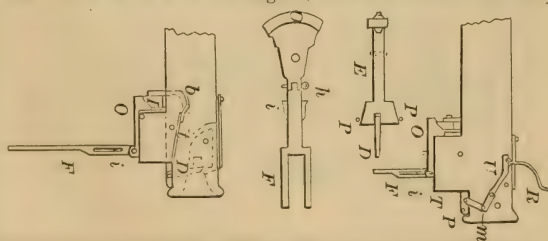
73136—M. P. Thatcher—Padlock.



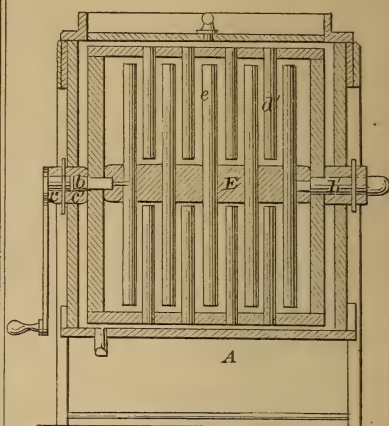
73138—J. Tiffany—For Preparing Paper Stock.



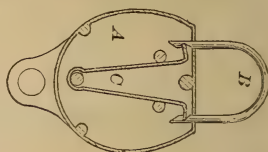
73140—J. N. & S. T. Vandegrift, French & Stone—Car Coupling.



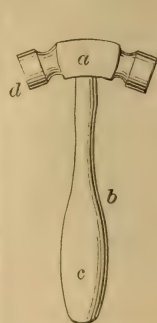
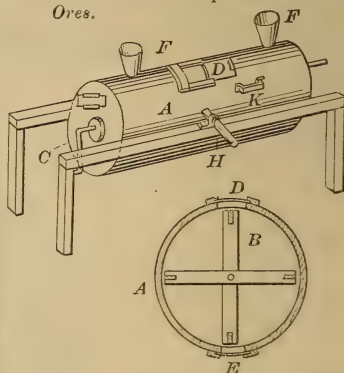
73134—S. H. Swasey—Barrel Churn.



73133—G. W. Stevens—Padlock.

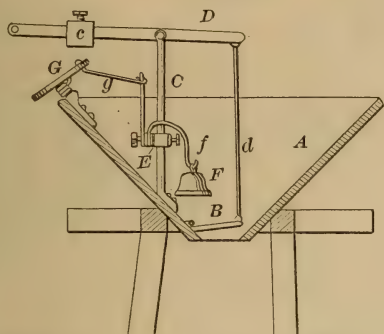


73137—W. A. Thompson—For Treating Ores.

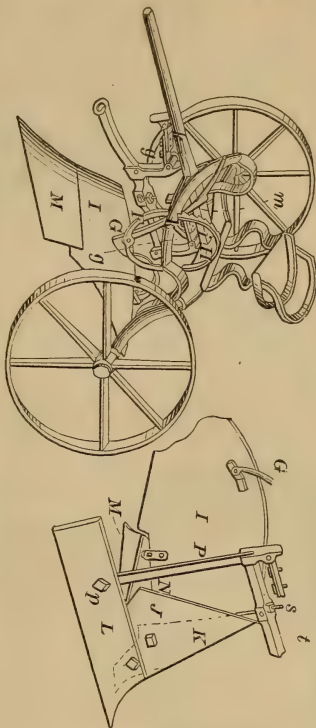


73141—J. Vegeant—Hammer.

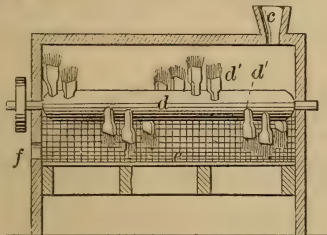
73142—D. C. Walters—*Grinding Mill Hopper Attachment*



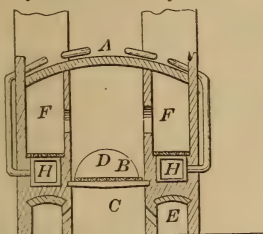
73143—J. Warwick—*Sulky Plow.*



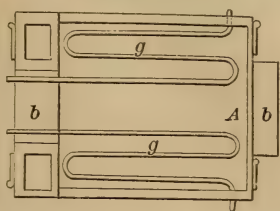
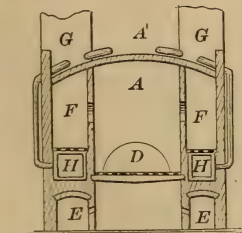
73144—M. Waterhouse—*Flock Duster.*



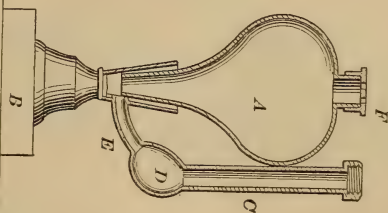
73146—S. Wetherill—*Manufacture of White Oxide of Zinc.*



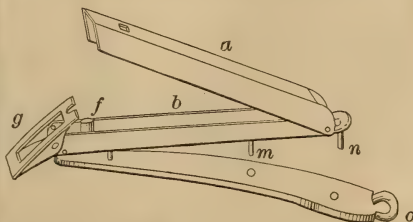
73147—S. Wetherill—*Manufacture of White Oxide of Zinc.*

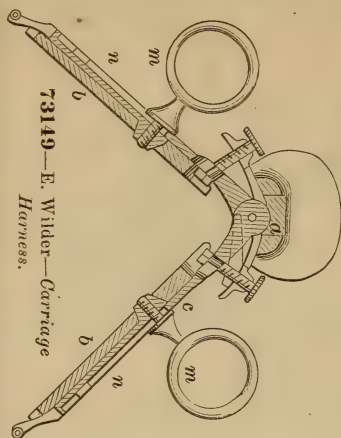


73145—H. B. Wellman—*Lamp.*



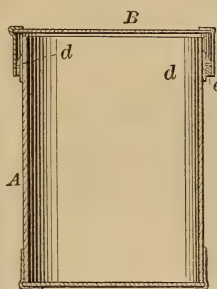
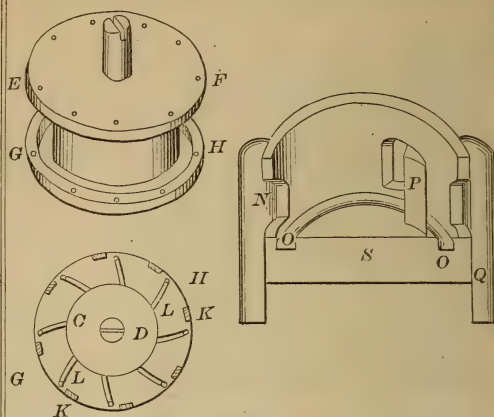
73148—L. Wetzell—*Hames Tug Buckle.*





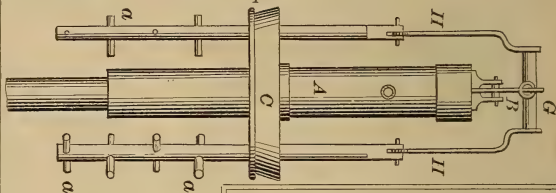
73149—E. Wilder—Carriage
Harness.

73150—Wilson & Houghton—Water Wheel.

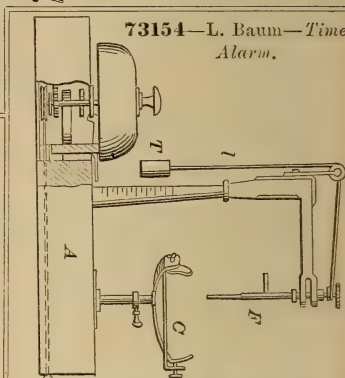


73151—F. H. Wilson—Cheese
Box and Butter Tub.

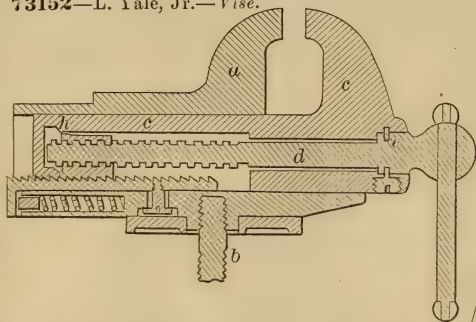
73153—F. Yeiser—Pump.



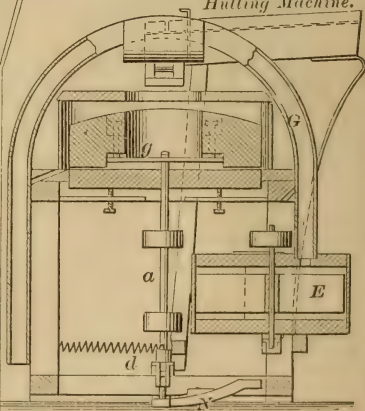
73154—L. Baum—Time
Alarm.



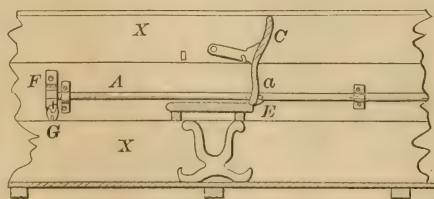
73152—L. Yale, Jr.—Vise.



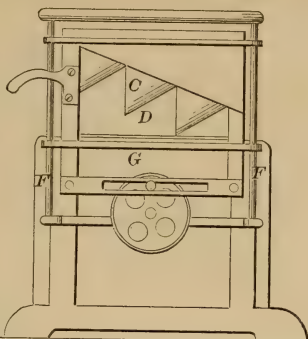
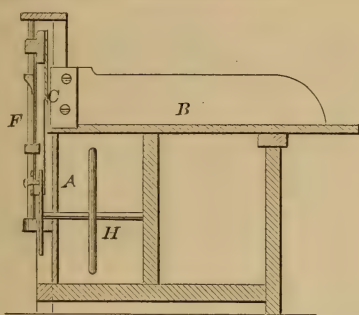
73156—J. Baysore—Buckwheat
Hulling Machine.



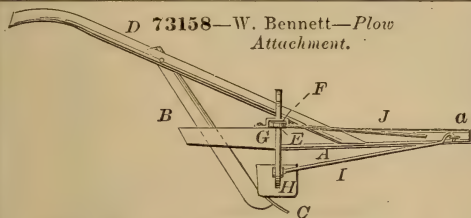
73155—Bayley & McCluskey—Car Seat Lock.



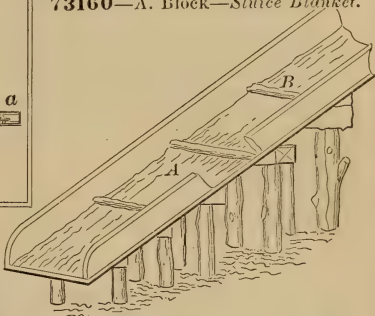
73157—A. J. Bell—Straw Cutter.



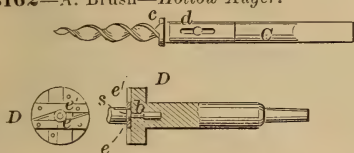
73158—W. Bennett—Plow Attachment.



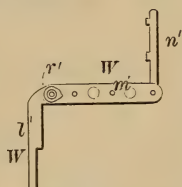
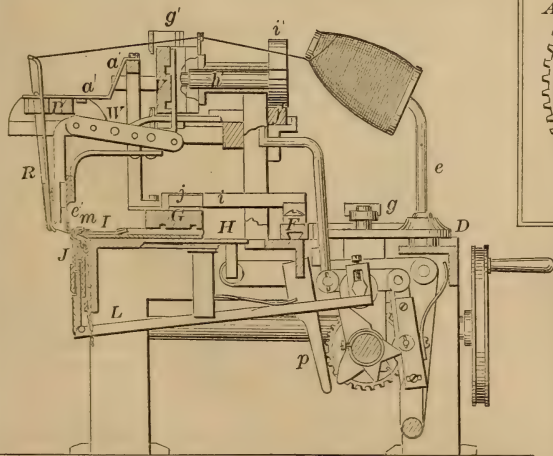
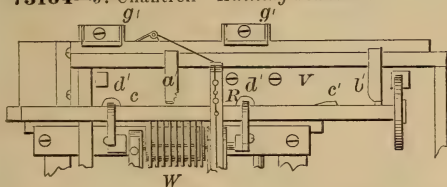
73160—A. Block—Slucice Blanket.



73162—A. Brush—Hollow Auger.



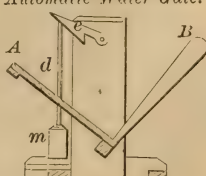
73164—J. Chantrell—Knitting Machine.



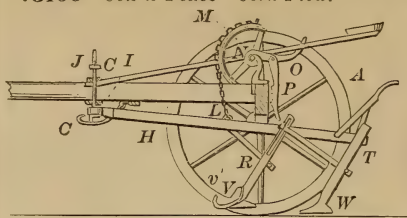
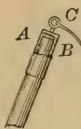
73161—G. A. Bowen—Watch.



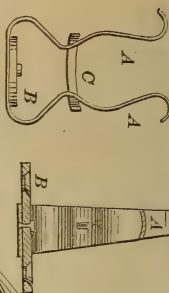
73159—H. Besse—Automatic Water Gate.



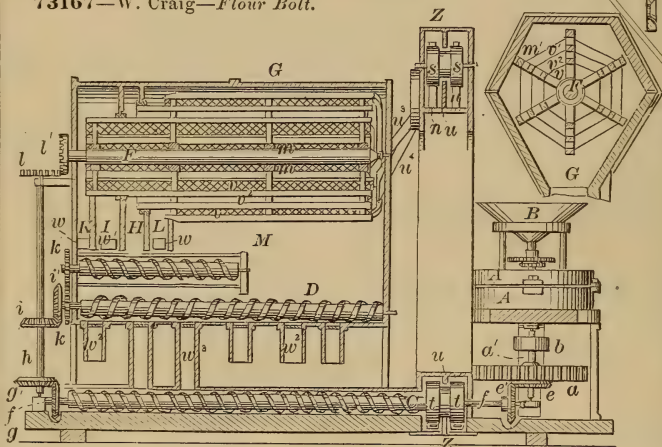
73166—Cox & Pence—*Corn Plow.*

731 66-1. S. Cook—*Whip*.

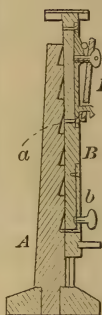
73169--A. G. Davis--*Brush Holder*.



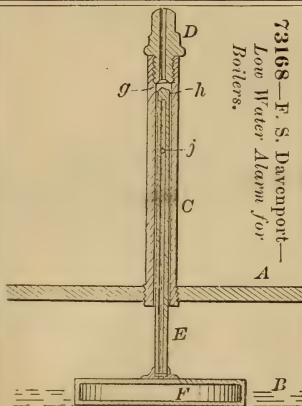
73167—W. Craig—*Flour Bolt.*



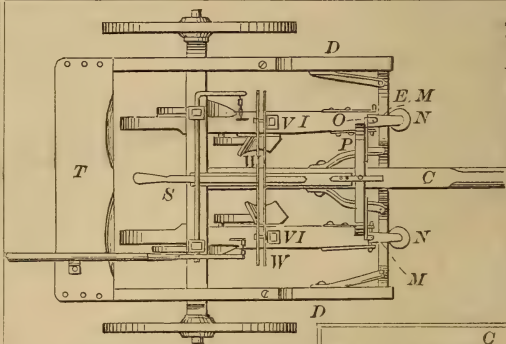
73171—G. Dittenhaver—*Clothes Post.*



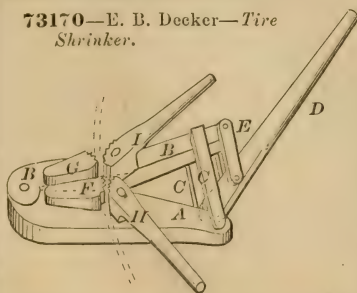
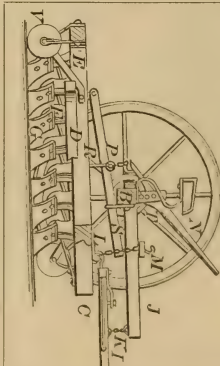
73168—F. S. Davenport
Low Water Alarm for
Boilers.



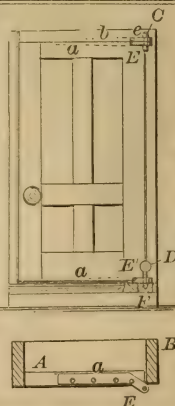
73172—E. Doolittle—*Cultivator*.



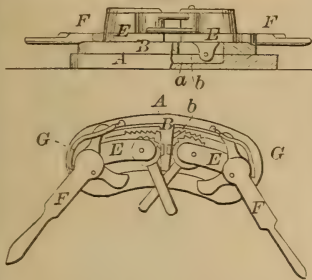
73170—E. B. Decker—*Tire Shrinker*.

73173—J. W. Doud—*Cultivator*,

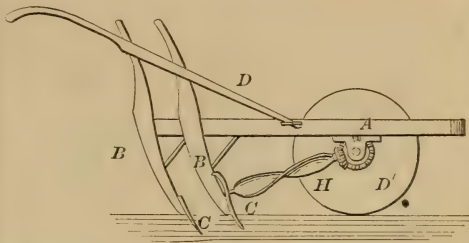
73174—C. Dupre—Door Hinge.



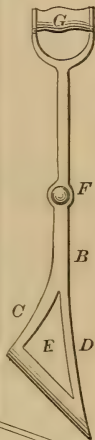
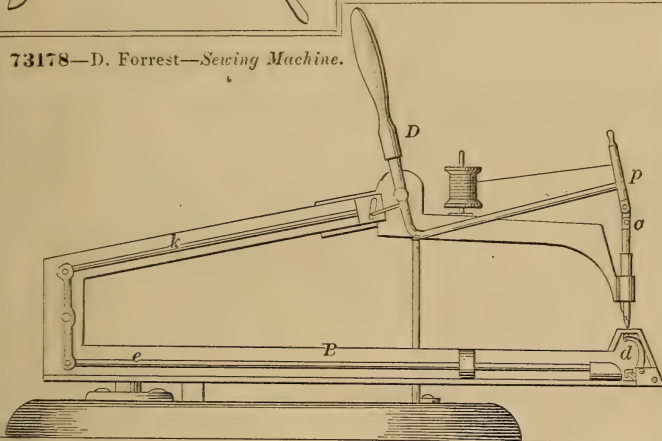
73175—J. Elliott—*Tire Shrinking Machine.*



73181—C. A. Harper—*Cultivator*

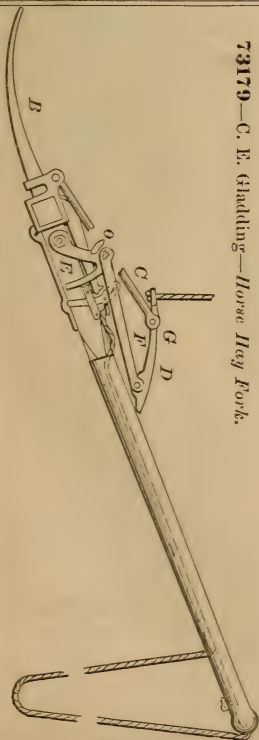


73178—D. Forrest—*Sewing Machine.*

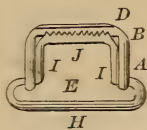


73177—C. A. Fisher—*Hay Knife.*

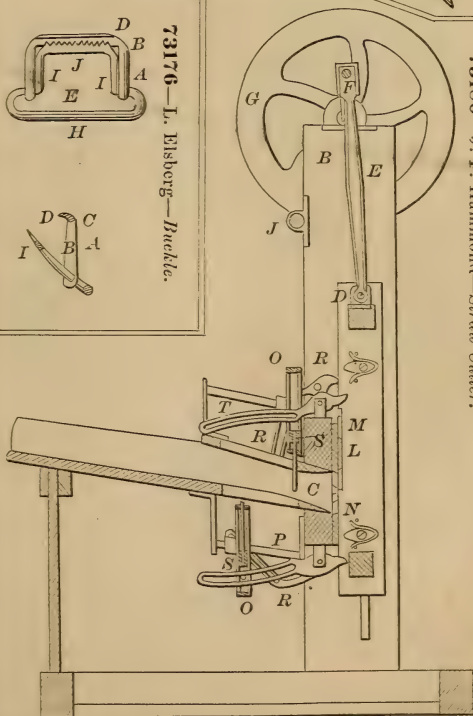
73179—C. E. Gladding—*Horse Hay Fork.*



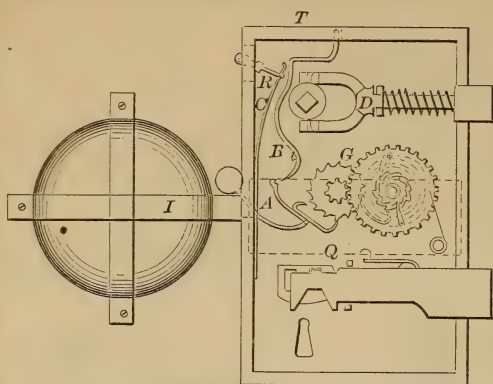
73176—L. Elsberg—*Buckle.*



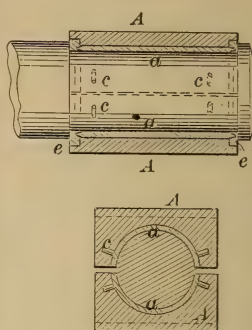
73180—J. F. Hammond—*Sprae Cutter.*



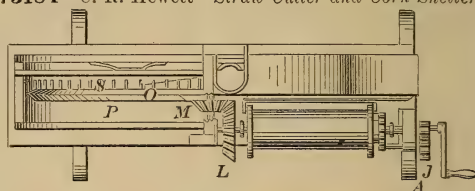
73182—P. T. Heminway—Burglar Alarm Lock.



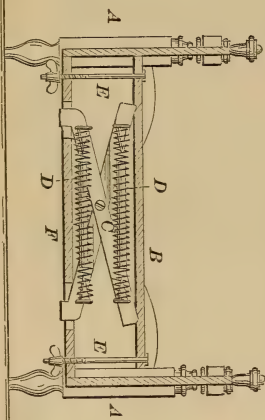
73183—G. H. Henfield—Car Axle Box.



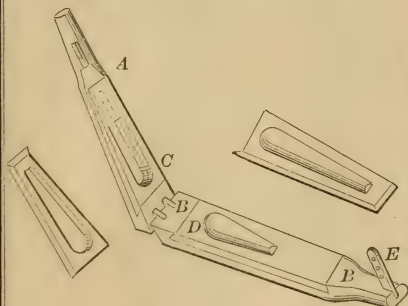
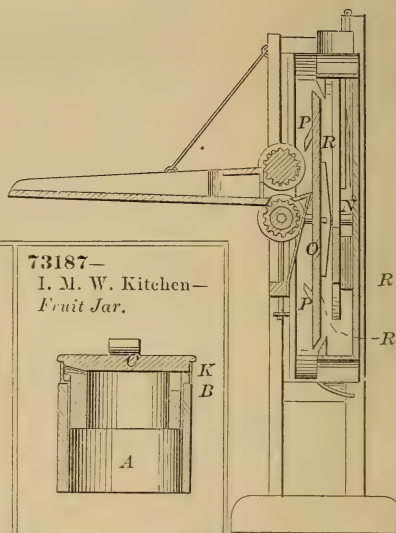
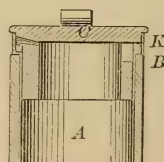
73184—C. R. Hewett—Straw Cutter and Corn Sheller.



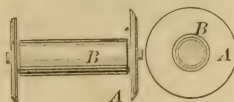
73188—G. Koenig—Spring Bed Bottom.



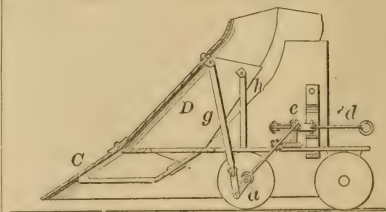
73186—G. Kennedy—Pad Crimp Press.

73187—
I. M. W. Kitchen—
Fruit Jar.

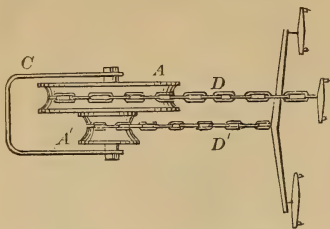
73185—A. P. Holmes—Bobbin.



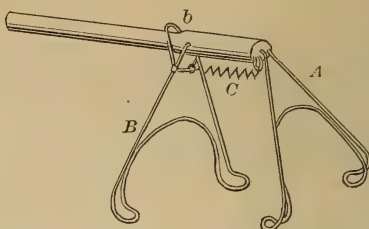
73189—C. Lusted—Snow Plow.



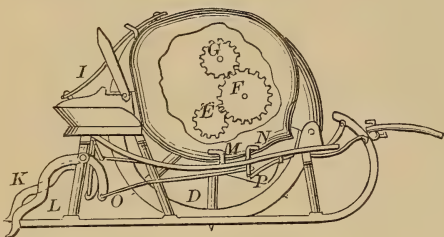
73197—E. M. Potter—*Clevis*.



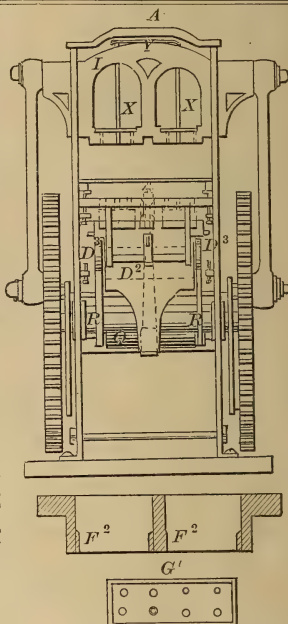
73199—D. E. Roe—*Plate Lifter*.



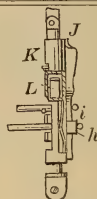
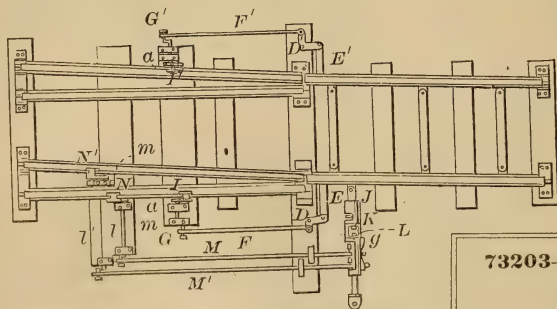
73198—J. Rancevan—*Ice Sleigh*.



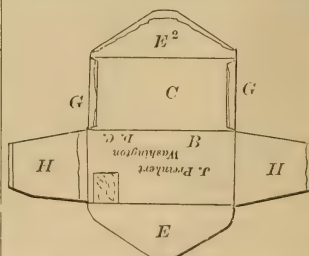
73201—Sangster, Dobbins & Richards—*Brick Machine*.



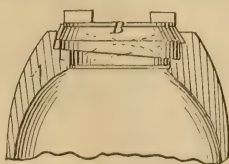
73200—Rogers & Crane—*Railway Switch*.



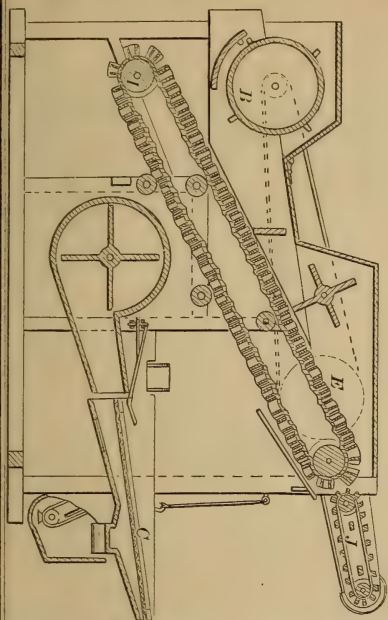
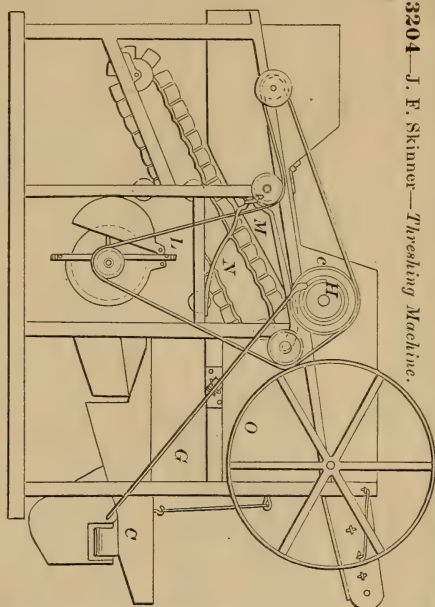
73203—F. M. Shields—*Envelope*.



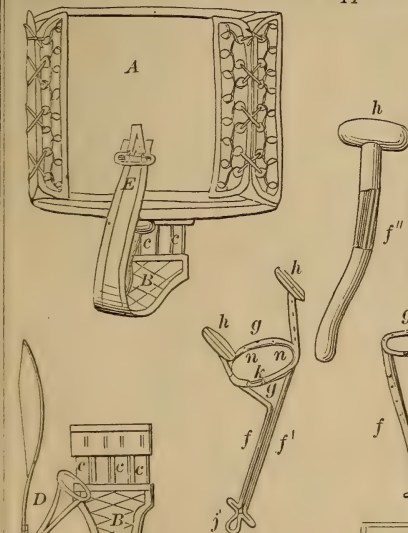
73202—F. J. Shefferly—*Preserve Jar*.



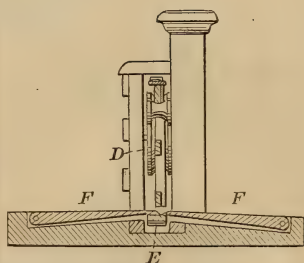
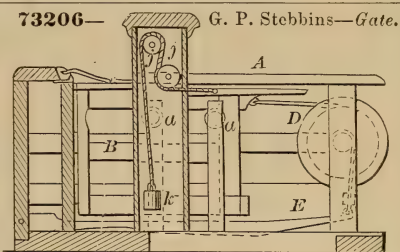
73204—J. E. Skinner—Threshing Machine.



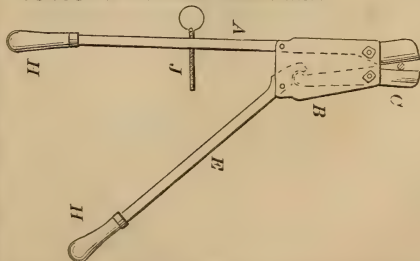
73207—A. J. Steele—Abdominal Supporter.



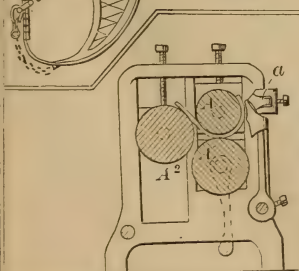
73206—G. P. Stebbins—Gate.

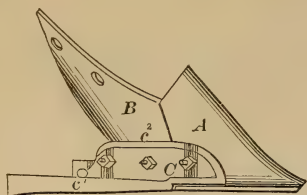
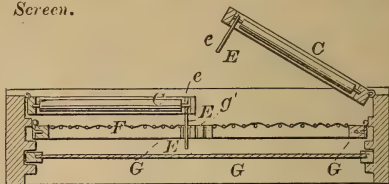
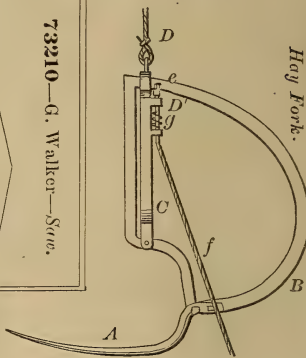
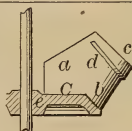
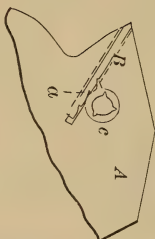
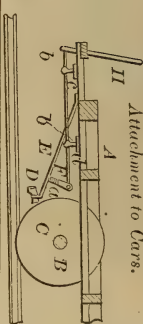
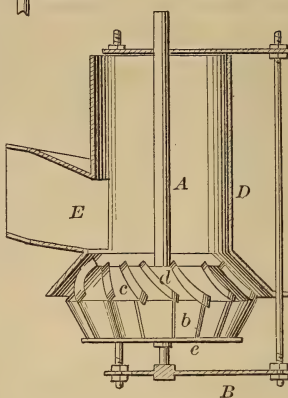
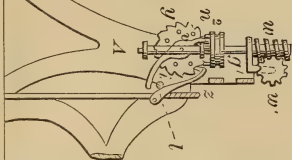
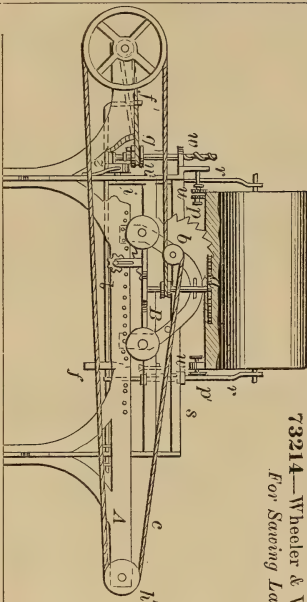
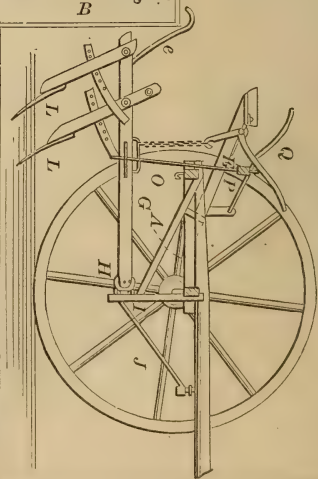
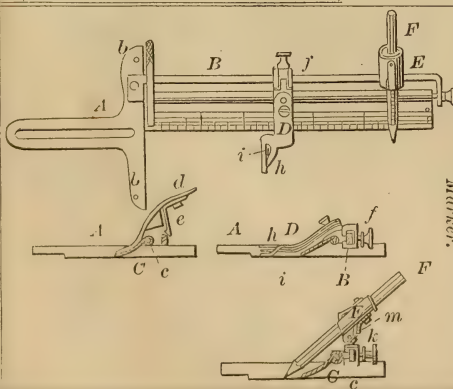


73205—E. A. Sloat—Bolt Cutter.

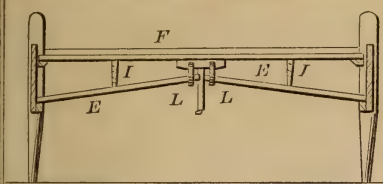


73208—W. Stine—Trimmers' Forming Machine.

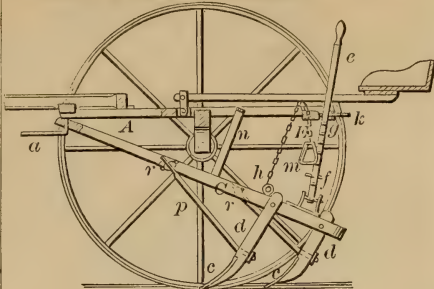


73209—J. Urie—*Plow.*73213—J. R. Wharry—*Ventilator and Window Screen.*73211—J. H. Walker—*Horse Hay Fork.*73210—G. Walker—*Saw.*73212—E. B. Wells—*Scraper Attachment to Cars.*73215—Wheeler & Allen—*Water Wheel.*73214—Wheeler & Vaughan—*For Sawing Lath.*73217—J. Widman—*Cultivator.*73216—J. P. White—*Sewing Machine Marker.*

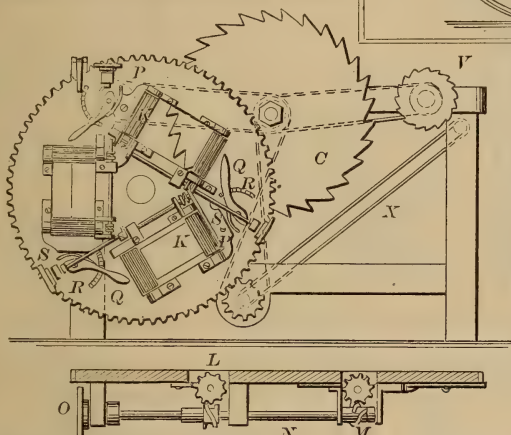
73218—S. J. Wingate—*Bed Bottom.*



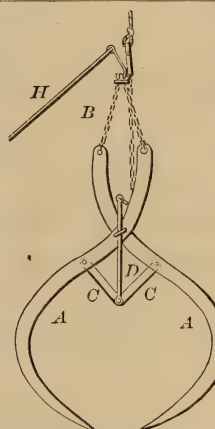
73224—A. Bennett—*Cultivator.*



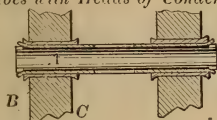
73219—H. Woodman—*Shingle Machine.*



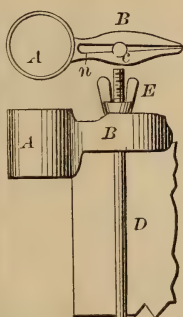
73222—D. W. Amos—*Horse Hay Fork.*



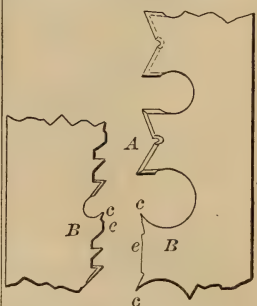
73221—H. Allen—*Connecting Tubes with Heads of Condensers.*



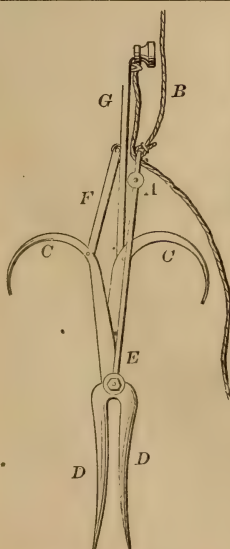
73227—E. M. Boynton—*Saw Tang.*



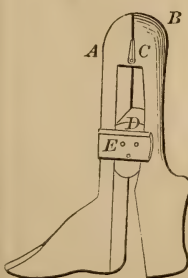
73226—E. M. Boynton—*Saw.*



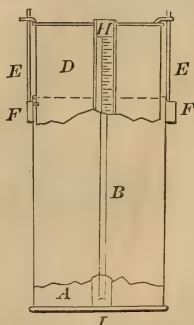
73223—L. Atwater—*Horse Hay Fork.*

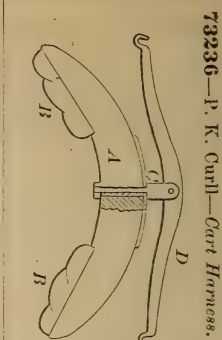
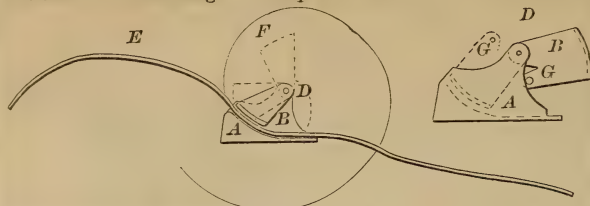
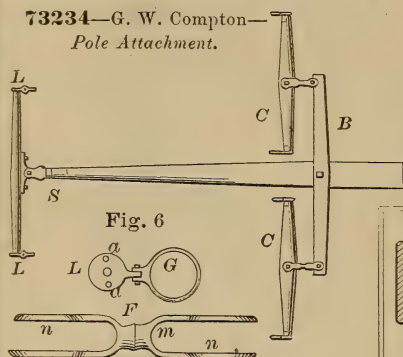
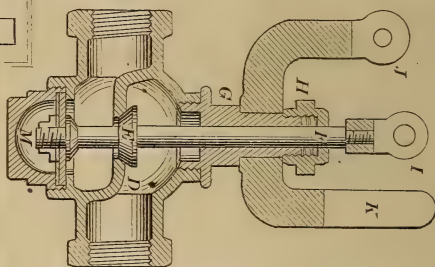
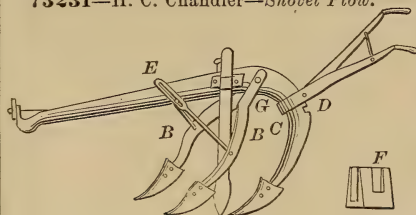
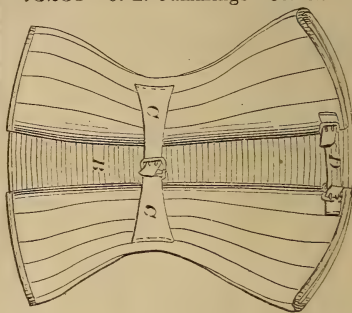
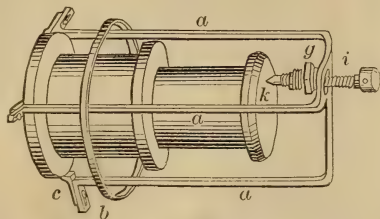
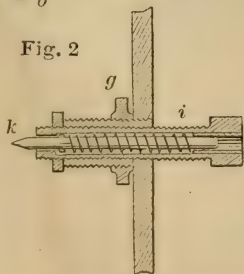
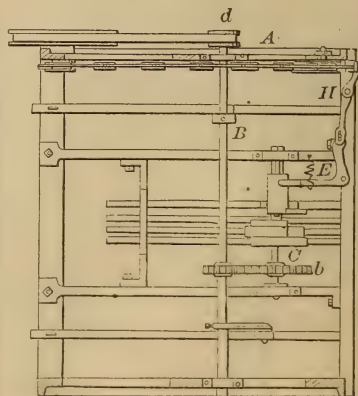


73228—A. N. Breunann—*Shoe Holder.*

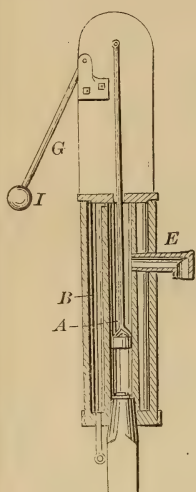
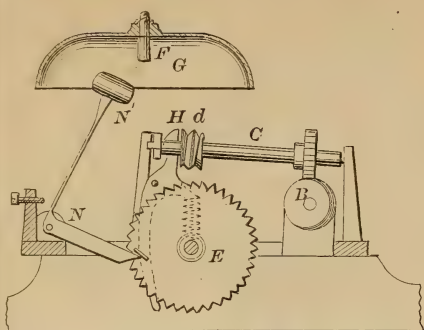


73229—G. W. Brown—*Spirometer.*

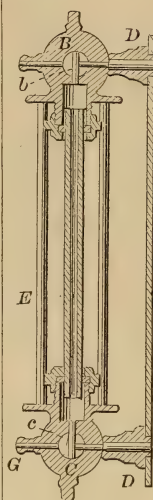


73230—H. W. Burgess—*Strap Holder.***73236**—P. K. Cull—*Cart Harness.***73234**—G. W. Compton—*Pole Attachment.***Fig. 6****73232**—G. E. Chenoweth—*Feed Water Valve.***73231**—H. C. Chandler—*Shovel Plow.***73235**—C. Z. Cummings—*Corset.***73233**—C. J. Clifford—*For Determining Deviation of Locomotive Crank Pins.***Fig. 2****73237**—J. Deakin—*Loom.*

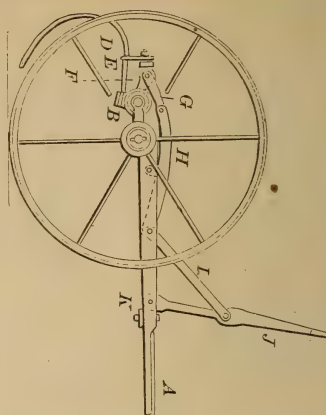
73247—Continued.



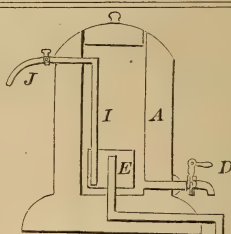
73253—J. McBride—Pump.



73250—J. S. Hunter—Steam Generator Water Gauge.

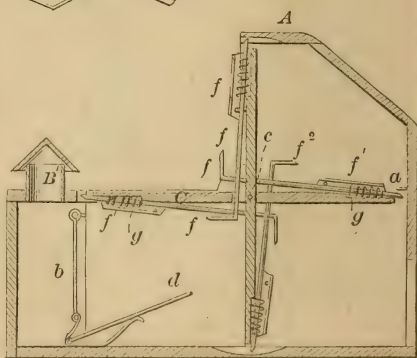
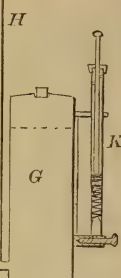
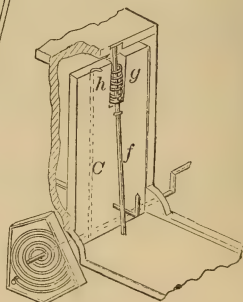


73248—B. F. Horton—Horse Rule.

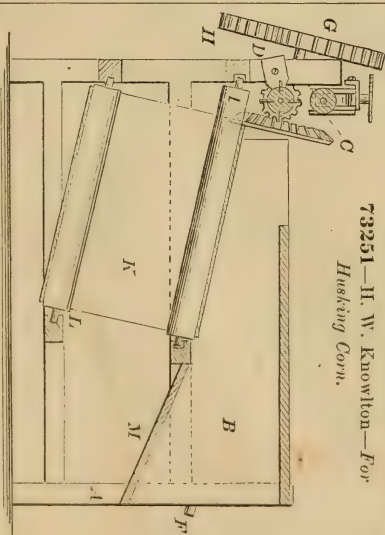


73249—J. S. Hall—Soda Fountain.

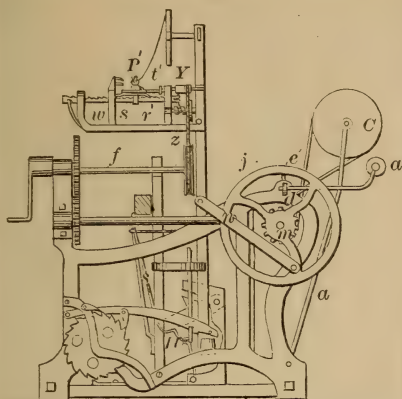
73254—O. Metcalf—Animal Trap.



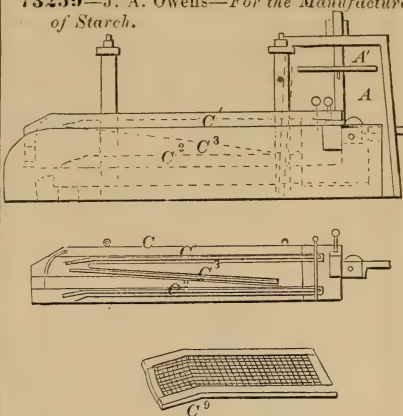
73251—H. W. Knowlton—For Husking Corn.



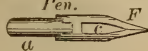
73256—Nute & Hathorn—Hand Loom.



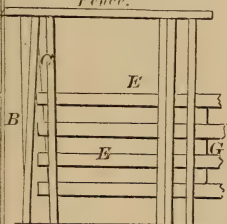
73259—J. A. Owens—For the Manufacture of Starch.



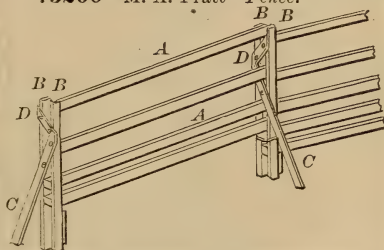
73255—W. A. Morse—Pen.



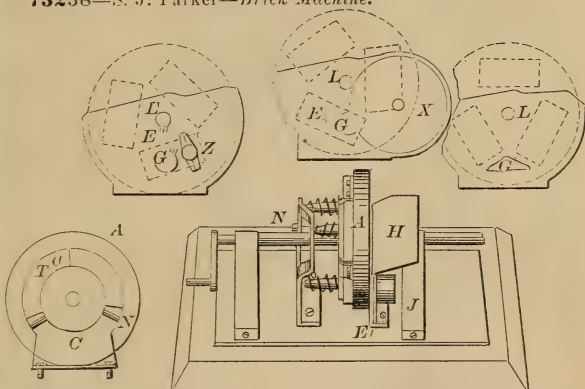
73257—Olds & Clark—Fence.



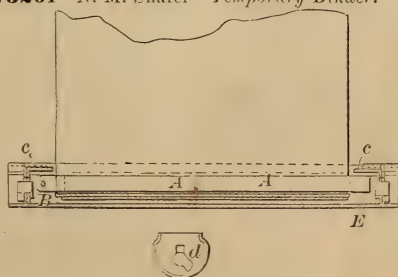
73260—M. A. Pratt—Fence.



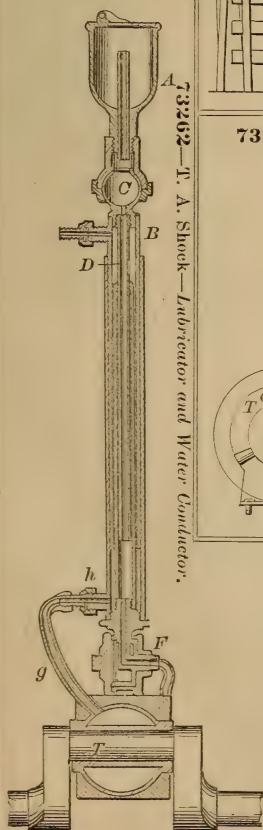
73258—S. J. Parker—Brick Machine.



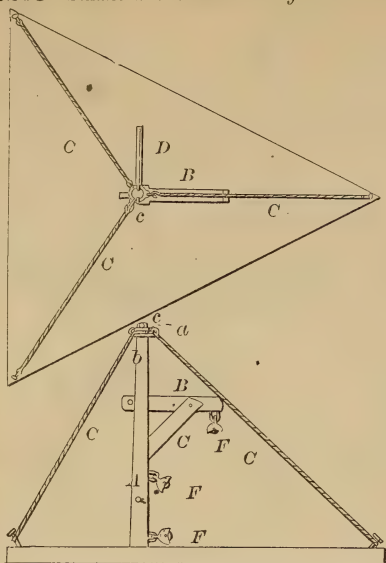
73261—X. M. Shafer—Temporary Binder.



73262—T. A. Snook—Lubricator and Water Conductor.



73263—Simms & Chambers—Hay Crane.



73264—S. T. Skinner—Plow.

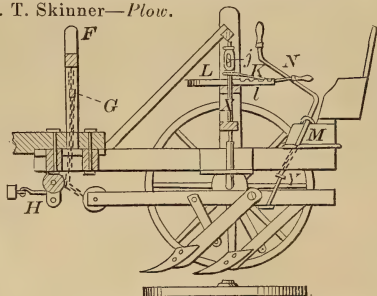
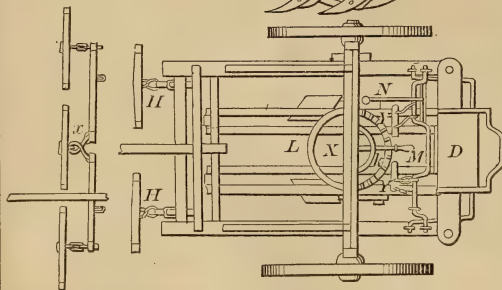
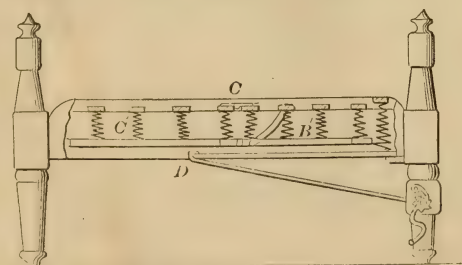
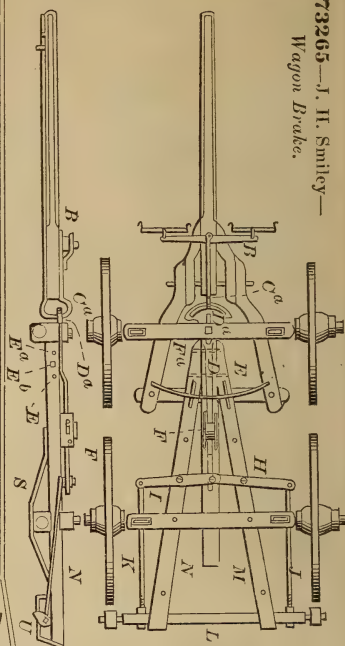


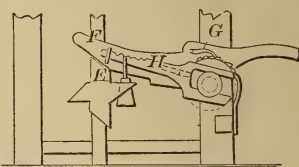
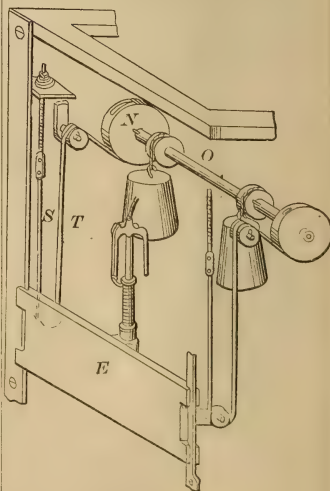
Fig. 3



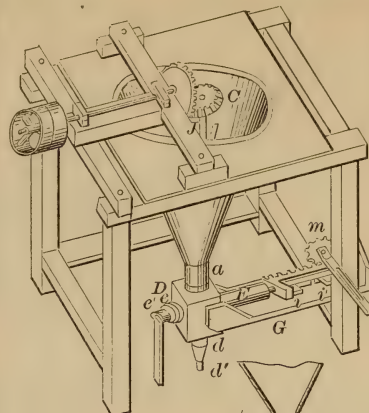
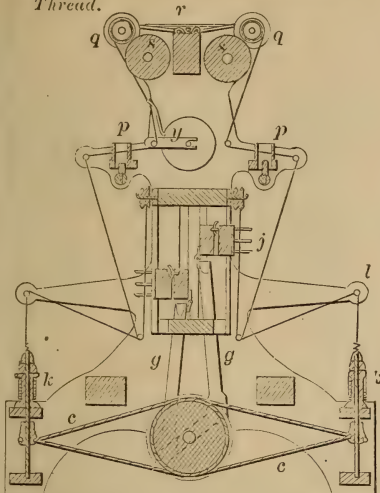
73268—J. D. Tift—Spring Bed Bottom.

73265—J. H. Smiley—
Wagon Brake.

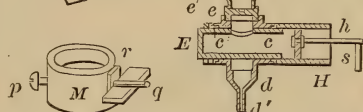
73266—O. Strong—Hand Loom.

73267—W. H. Thompson—
Roving Frame.

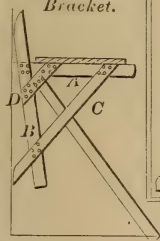
73269—W. W. Trapp—For Polishing Thread.



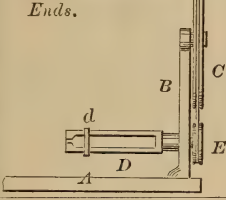
73272—J. Wilcox—For Filling Paint Cans.



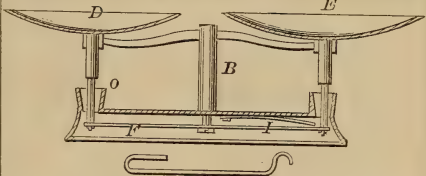
73274—J. S. Wilson—Bracket.



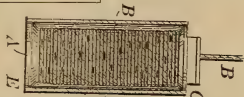
73270—F. K. Way—For Twisting Wax Ends.



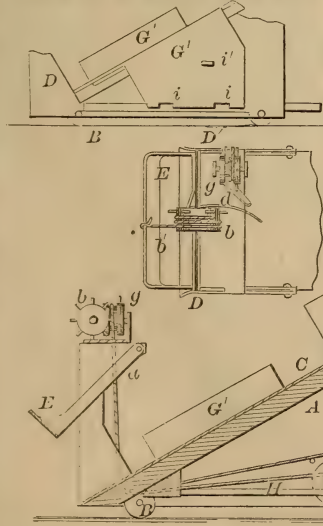
73273—J. D. Willoughby—Weighing Scales.



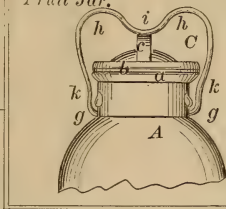
73275—B. F. Woodside—Friction Matches.



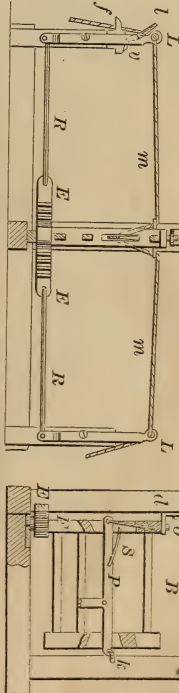
73276—J. R. Adams—Snow Plow.



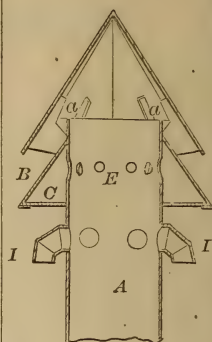
73271—E. B. Whitmore—Fruit Jar.



73277—R. Adams—Gate.



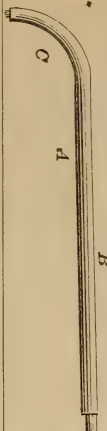
73280—J. W. C. Anderson—Ventilator and Chimney Coel.



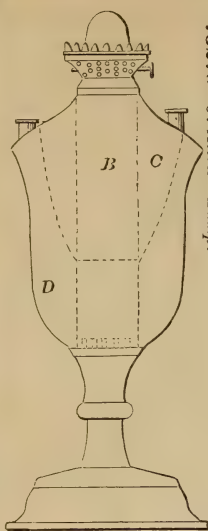
73279—C. H. Amidon—Bit Stock.



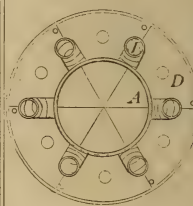
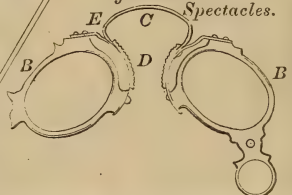
73286—W. W. Beebe—Harness Attachment.



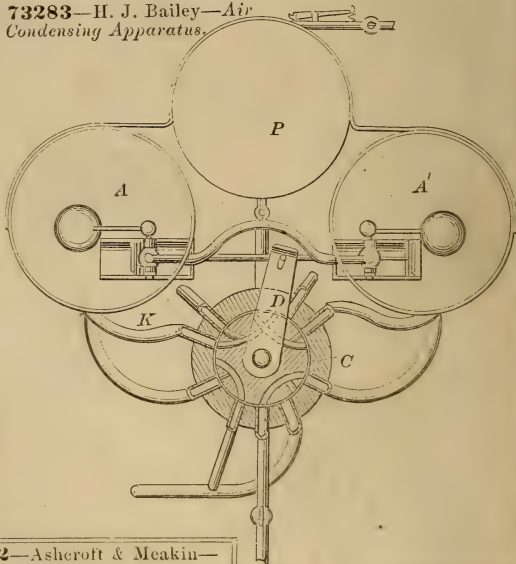
73278—J. Allen—Lamp.



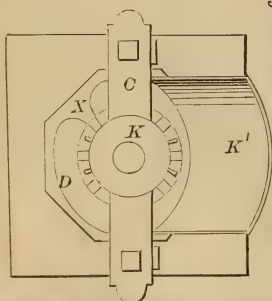
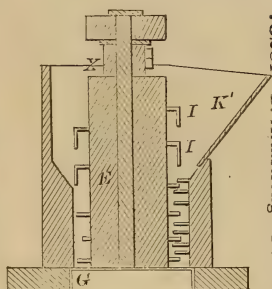
73285—J. J. Bausch—Eye Glass and Spectacles.



73283—H. J. Bailey—Air Condensing Apparatus.



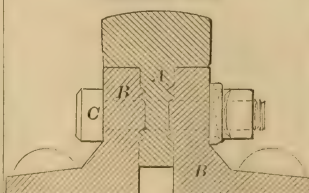
73281—B. Armstrong—For Making Cheese.



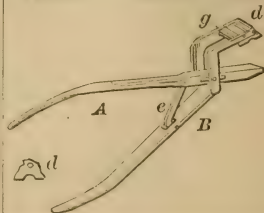
73284—N. G. Bartlett—Inkstand.



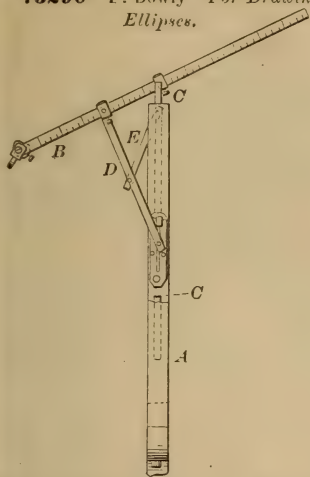
73282—Ashcroft & Meakin—Railroad Rail.



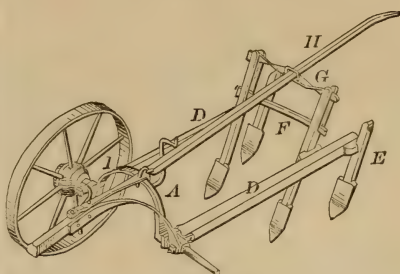
73289—J. Bounds—Pliers.



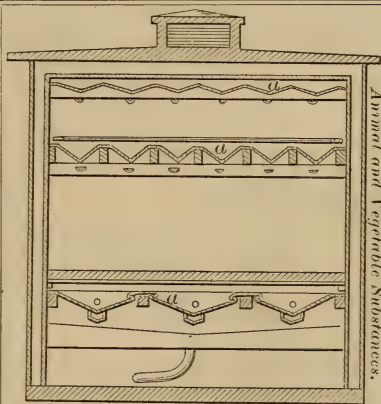
73290—F. Bowly—*For Drawing Ellipses.*



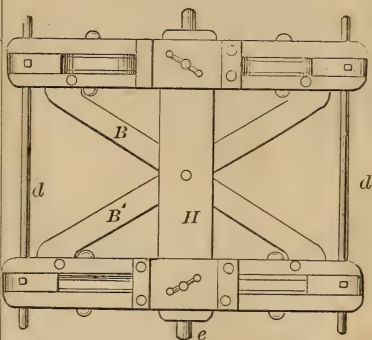
73291—J. C. Boyd—*Cultivator.*



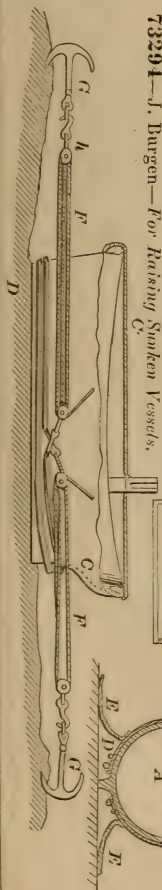
73292—E. D. Brinard—*For Preserving Animal and Vegetable Substances.*



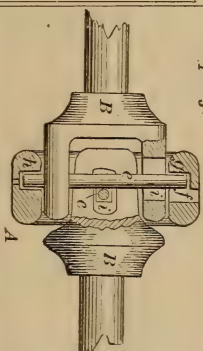
73295—H. T. Carter—*Car Truck.*



73294—J. Burgen—*For Raising Sunken Vessels.*



73293—J. Brayley—*Shot Coupling.*



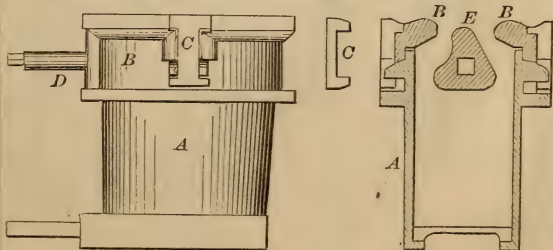
73296—S. Carusi—*Postage Stamp.*



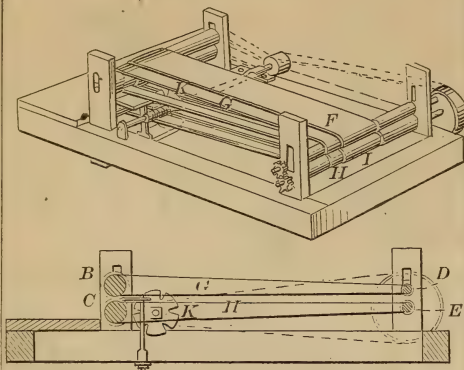
73297—S. A. Chapman—*Hinge.*



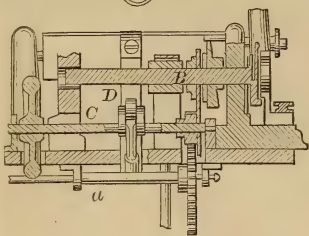
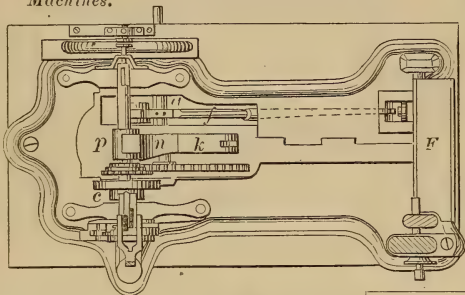
73299—R. W. Clark—*Tuyere Iron.*



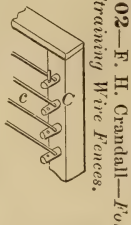
73299—Collins & Nixon—*Seaming and Rag Cutting Machine.*



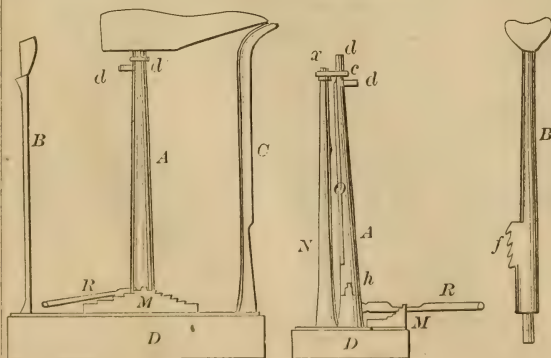
73303—G. Cuppers—*For Operating Sewing Machines.*



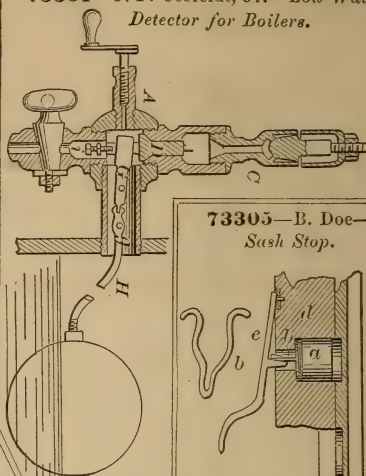
73302—F. H. Crandall—*For Straining Wire Fences.*



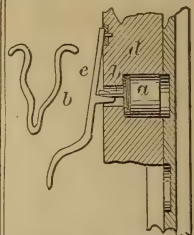
73304—H. T. Dillon—*For Holding Boots and Shoes.*



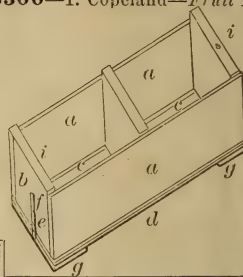
73301—C. F. Cosfeldt, Jr.—*Low Water Detector for Boilers.*



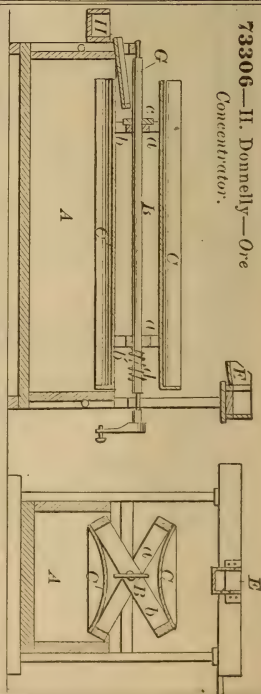
73305—B. Doe—*Sash Stop.*



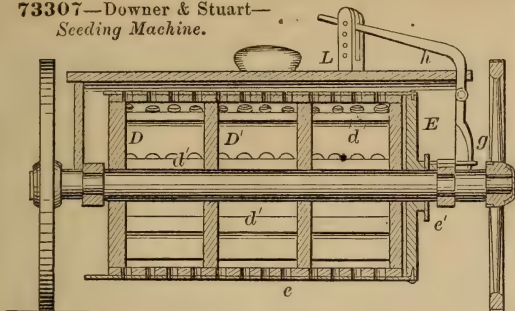
73300—I. Copeland—*Fruit Box.*



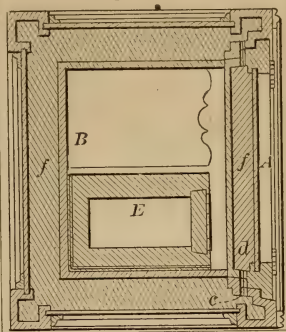
73306—H. Donnelly—*Ore Concentrator.*



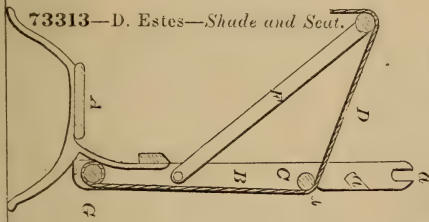
73307—Downer & Stuart—
Seeding Machine.



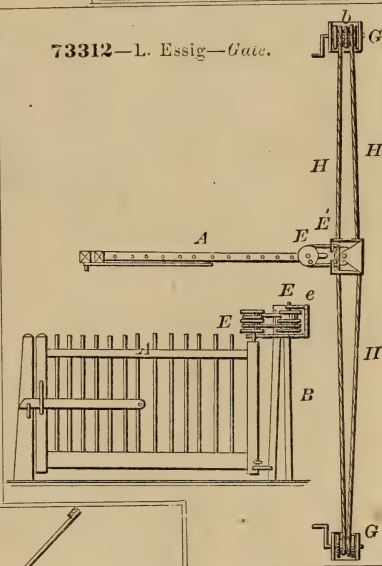
73309—Draper & Glover—
Fireproof Safe.



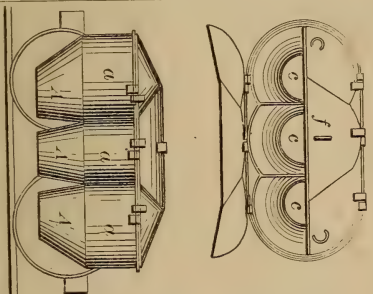
73313—D. Estes—*Shade and Seat.*



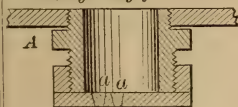
73312—L. Essig—*Gate.*



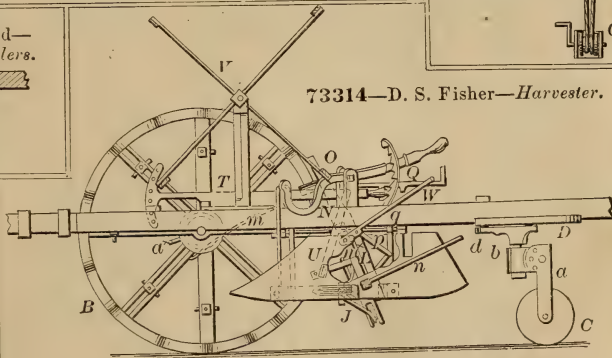
73308—S. W. Downey—
Freight Car.



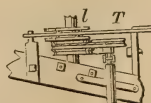
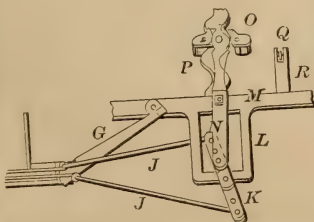
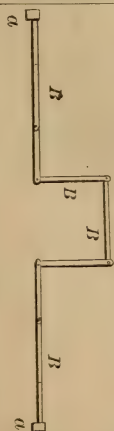
73311—T. G. Eiswald—
Safety Plug for Boilers.



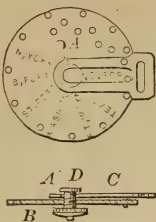
73314—D. S. Fisher—*Harvester.*



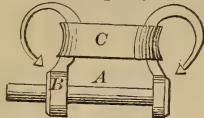
73310—A. L. Dimbar—
Carpet Stretcher.



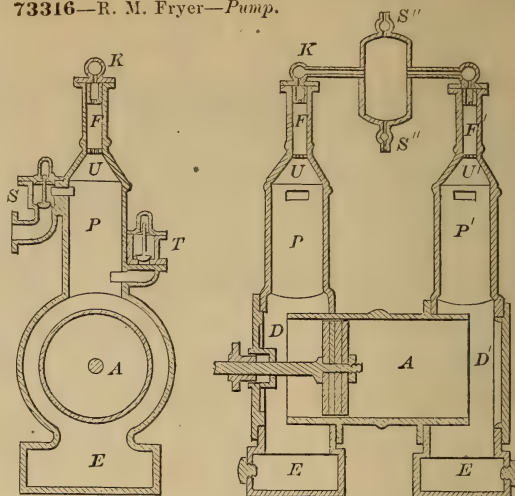
73315—E. Flather—*Boggage Check.*



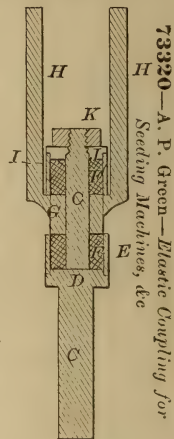
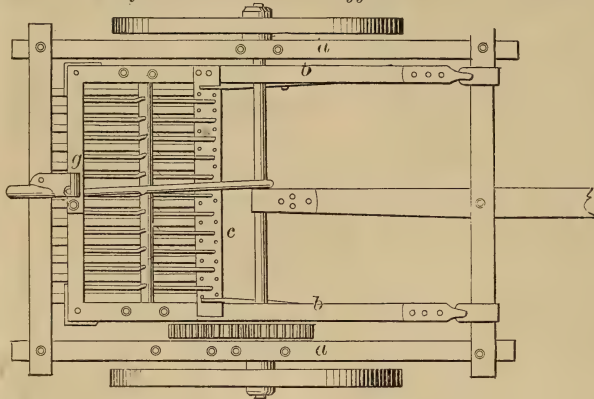
73317—W. W. Goff—*Thill Coupling.*



73316—R. M. Fryer—*Pump.*

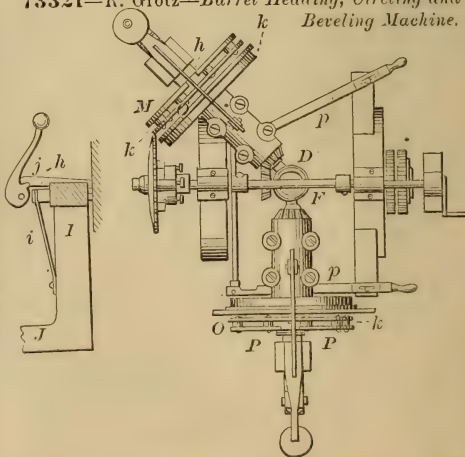


73319—Gray & Calhoun—*Potato Digger.*

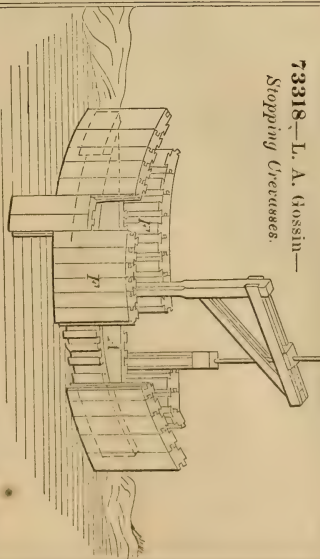


73320—A. P. Green—*Elastic Coupling for Seeding Machines, &c.*

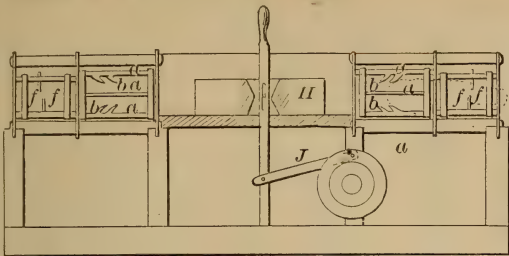
73321—R. Grotz—*Barrel Heading, Circling and Beveling Machine.*



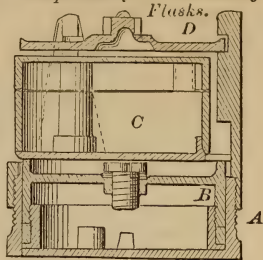
73318—L. A. Gossin—*Stopping Creusases.*



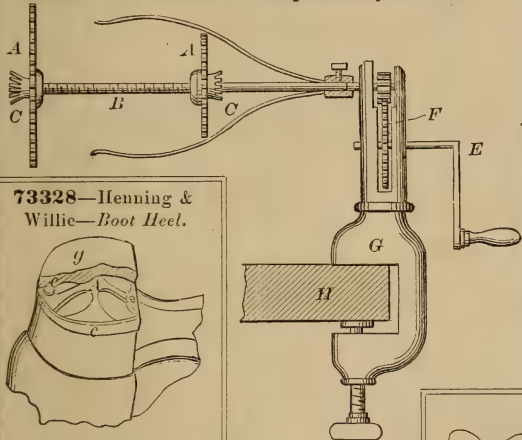
73323—J. R. Hamilton—*Corn Sheller.*



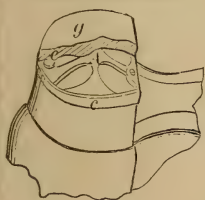
73326—G. E. Hayes—*Steam Compressor for Vulcanizing Flasks.*



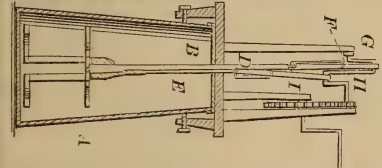
73321—J. R. Hamilton—*Lamp Chimney Cleaner.*



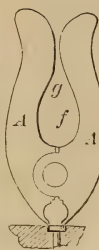
73328—Henning & Willie—*Boot Heel.*



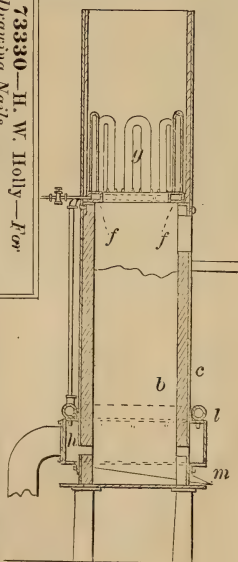
73327—A. J. Heavner—*Churn.*



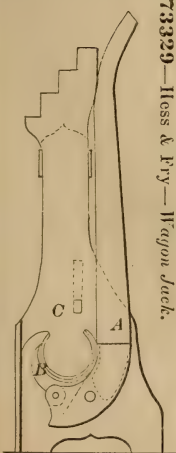
73330—H. W. Holly—*For Draining Nails.*



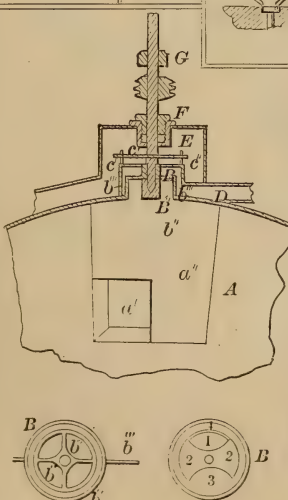
73333—J. Howarth—*Cupola Furnace.*



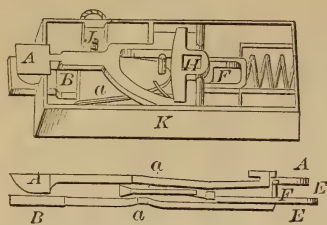
73329—Hess & Fry—*Wagon Jack.*



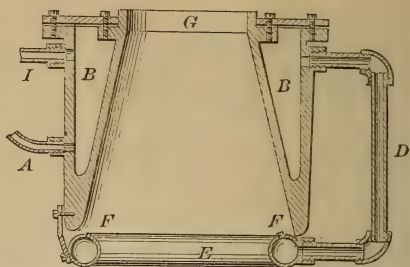
73332—T. C. Hopper—*Dry Gas Meter.*



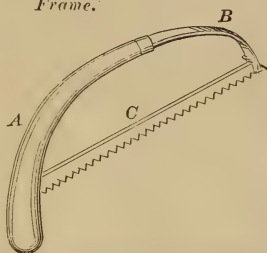
73334—W. L. Inlay—*Locking Knob Latch.*



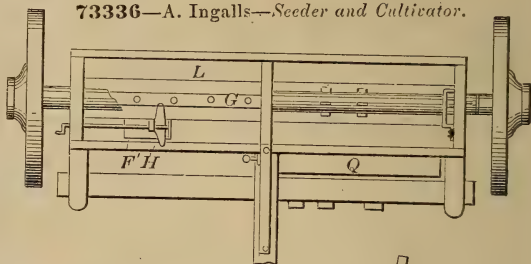
73335—W. L. Inlay—*Hydro Carbon Burner.*



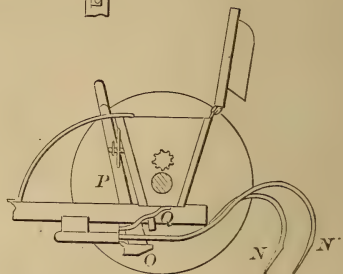
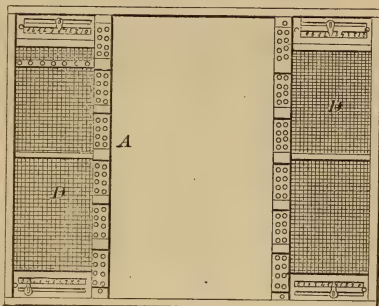
73341—M. J. Jones—*Saw Frame.*



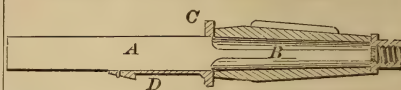
73336—A. Ingalls—*Seeder and Cultivator.*



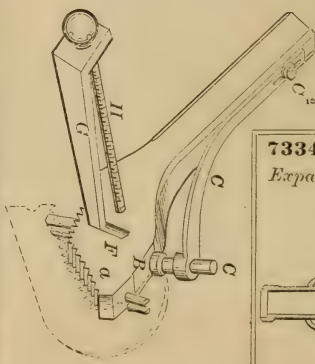
73337—R. S. Jennings—*Cribbage Board.*



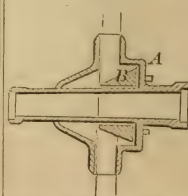
73340—D. Jones—*Wagon Axle.*



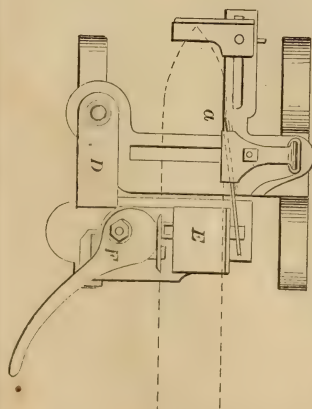
73338—N. Johnson—*Swage for Saw Teeth.*



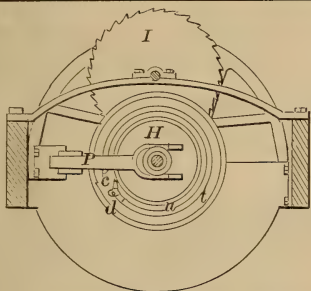
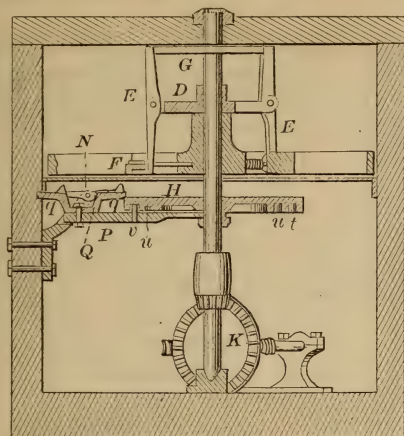
73342—A. I. Judge—*Expanding Wheel Hub.*



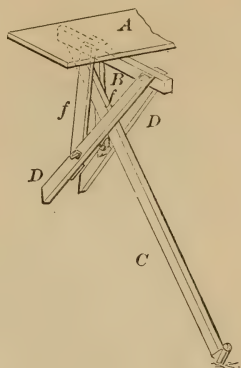
73339—W. W. Johnson—*for Pointing Pickets.*



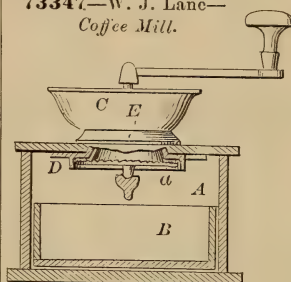
73343—E. Keith—*Shingle Machine.*



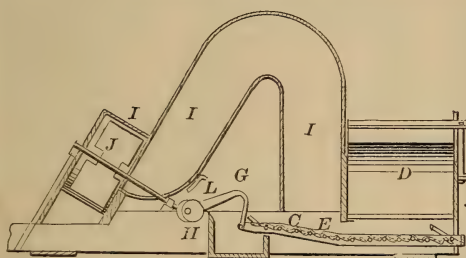
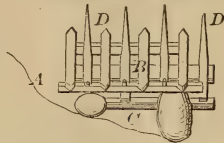
73346—Lamb & Livings—*Scaffold.*



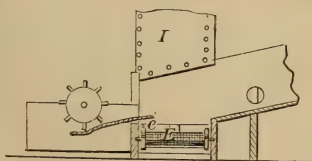
73347—W. J. Lane—*Coffee Mill.*



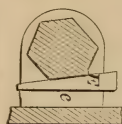
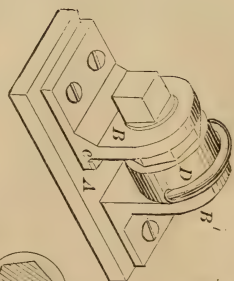
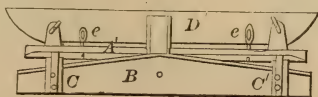
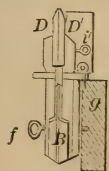
73345—H. A. Kephart—*Stream or River Fence.*



73348—L. B. Lathrop—*Threshing Machine and Grain Separator.*

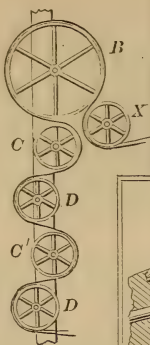


73344—C. Kendig—*Clamp for Filing Saws.*

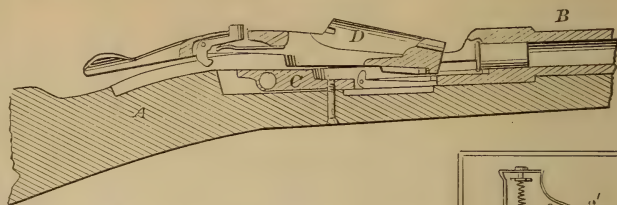


73349—W. E. Lockwood—*Fastening for Wire Fences.*

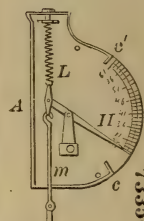
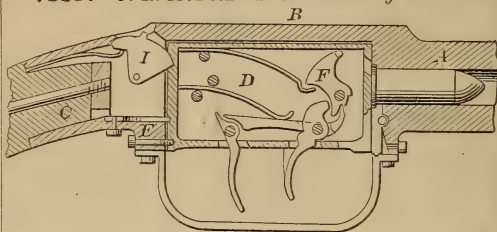
73350—W. E. Lockwood—For Drying Envelopes.



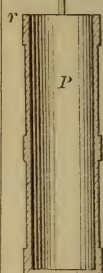
73351—H. Lord—Cartridge Extractor.



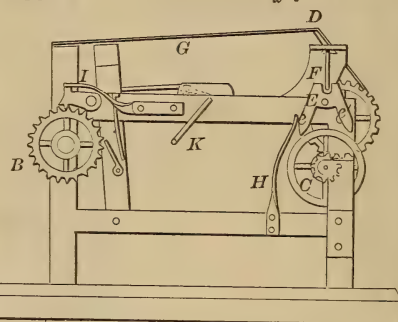
73357—J. E. McBeth—Breech-Loading Fire Arm.



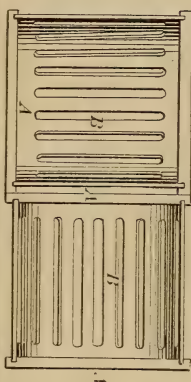
73356—B. Martin—Pocket Grain Tester.



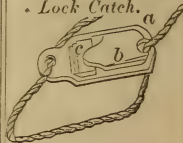
73353—J. A. Marden—Let-off for Looms.



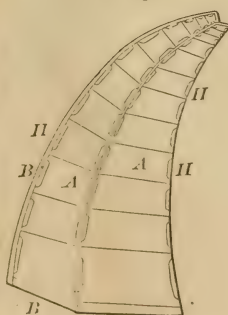
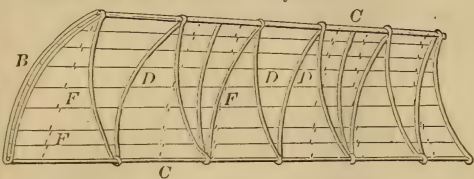
73352—T. Mabbett, Jr.—Berry Box.



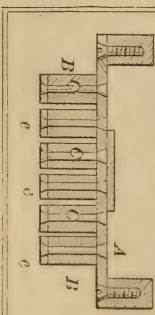
73358—E. P. McCeney—Lock Catch.



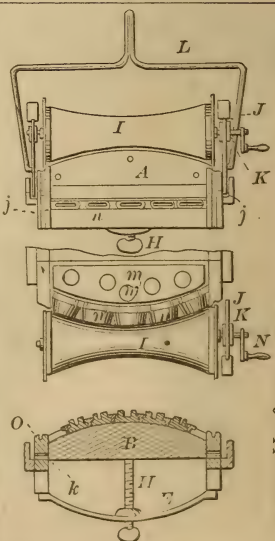
73355—W. M. Marshall—Reflector.



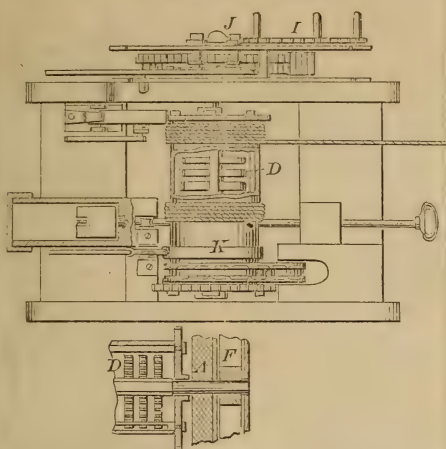
73354—G. F. Marks—Mould for Manufacturing Tobacco.



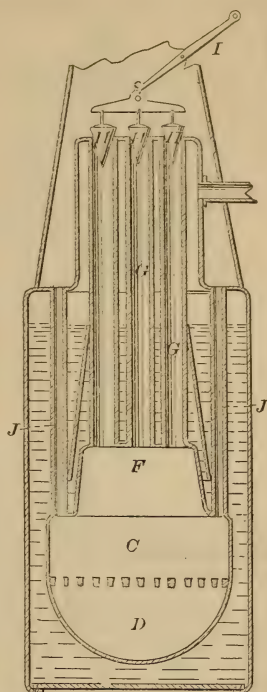
73359—L. McDermott—Elastic Printing Apparatus.



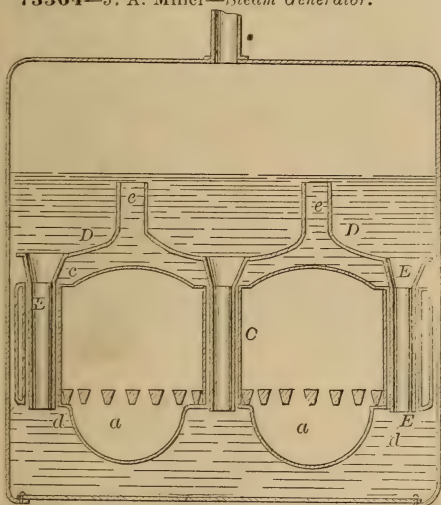
73360—W. G. McIvor—Windlass.



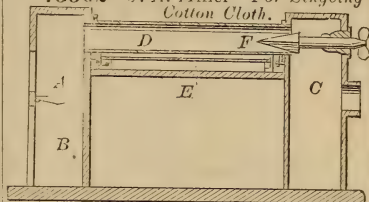
73363—J. A. Miller—Steam Generator.



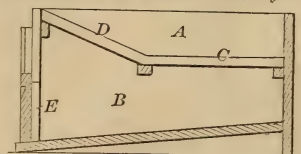
73364—J. A. Miller—Steam Generator.



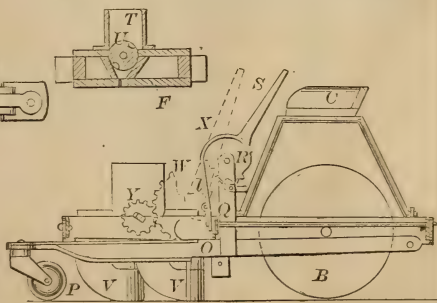
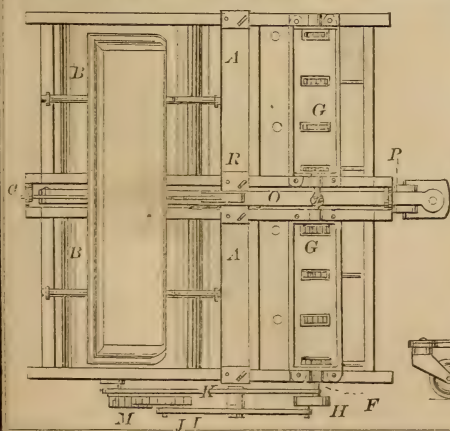
73362—J. A. Miller—For Singeing Cotton Cloth.



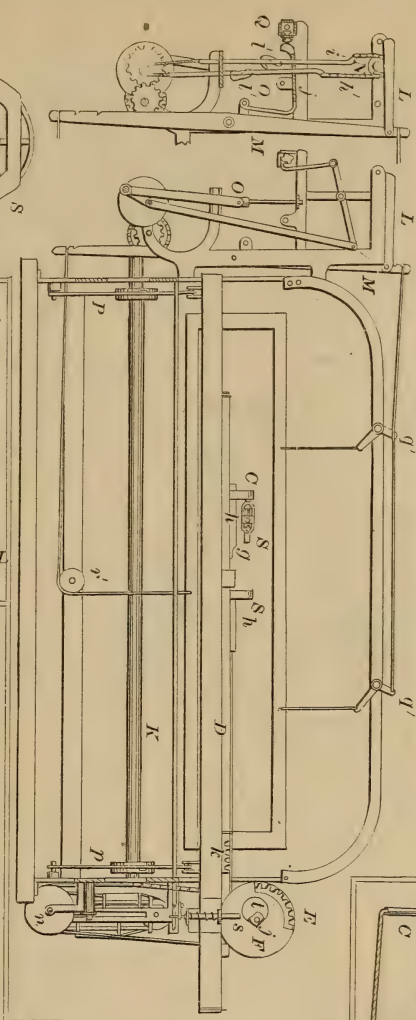
73361—J. A. Miller—Ash Sifter.



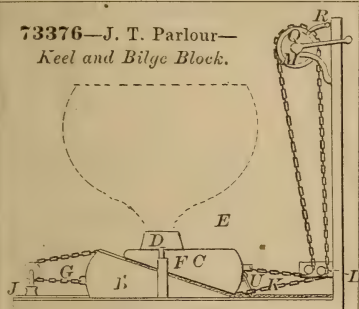
73365—T. S. Mills—Drill, Roller and Cultivator.



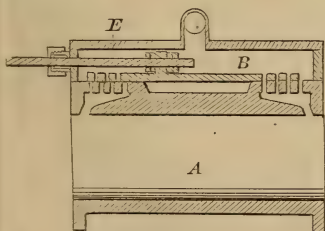
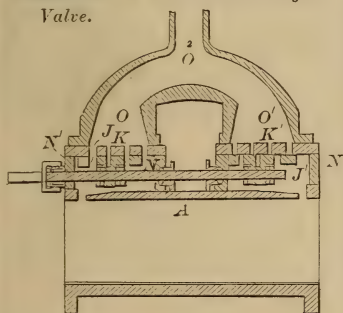
73374—Continued.



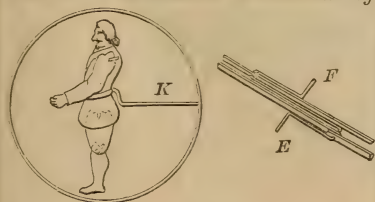
73376—J. T. Parlour—
Keel and Bilge Block.



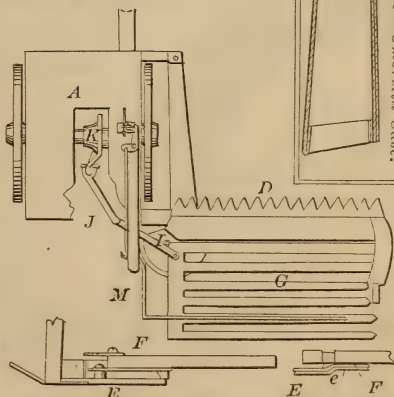
73381—W. G. Pike—Steam Engine
Valve.



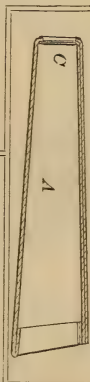
73379—H. G. Pearson—Mechanical Toy.



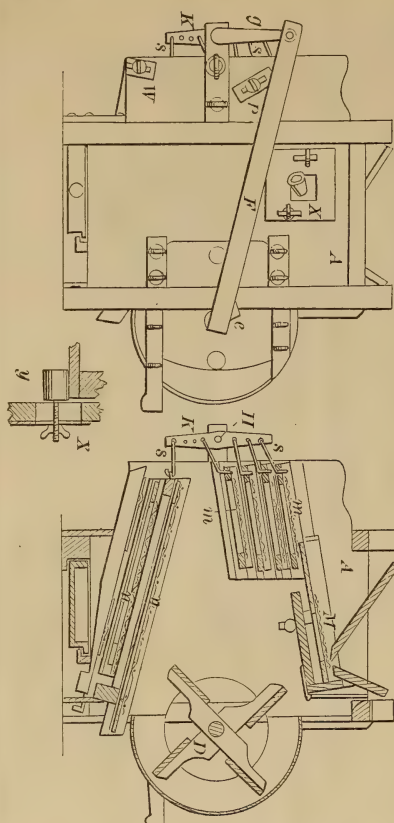
73380—G. M. Peters—
Platform for Harvesters.



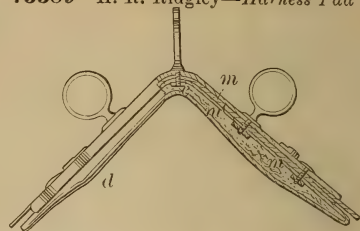
73378—S. H. Pearce—Umbrella Case.



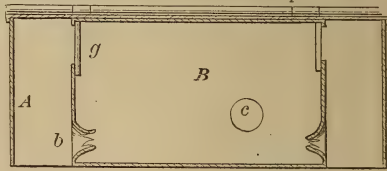
73382—J. F. Pool—Separator.



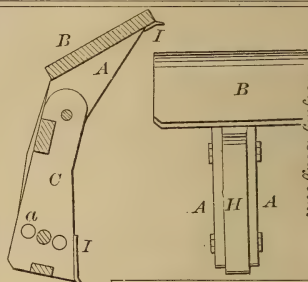
73389—H. R. Ridgley—Harness Pad



73384—S. Reed—Animal Trap.



73387—P. Richmond—Hoofing Scaffold.



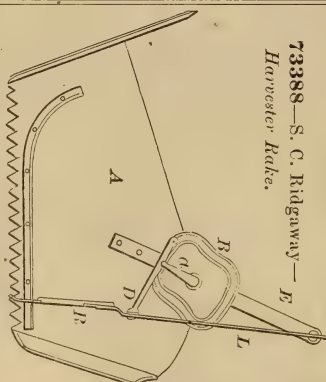
73383—Potter & Abell—Boxed Hone.



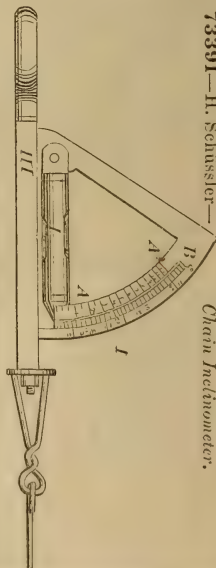
73386—J. C. Rhodes—Crutch.



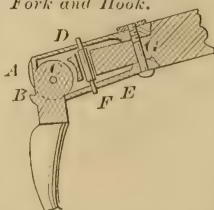
73388—S. C. Ridgway—Harvester Rake.



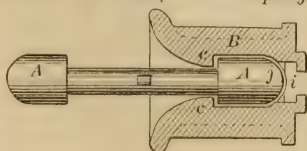
73391—H. Schüssler—Chain Inclinator.



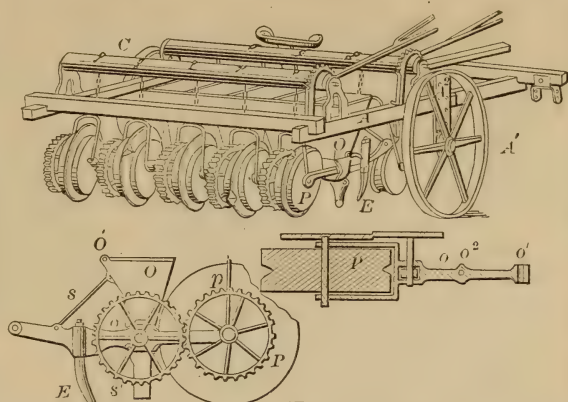
73390—L. Riggs—Fork and Hook.



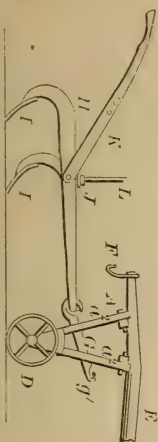
73385—H. Resley—Car Coupling.



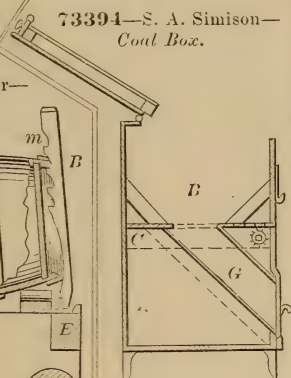
73393—S. Shirley—Seed Drill and Roller.



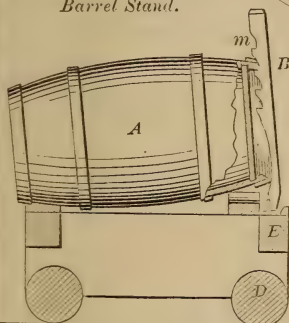
73392—J. P. Sexton—Cultivator.



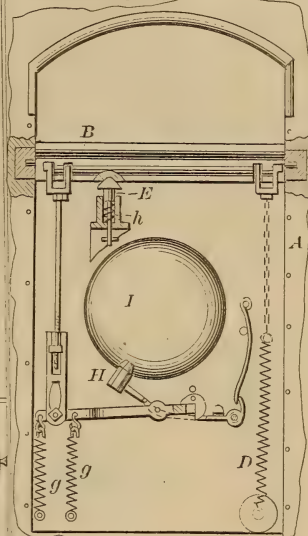
73394—S. A. Simison—Coal Box.



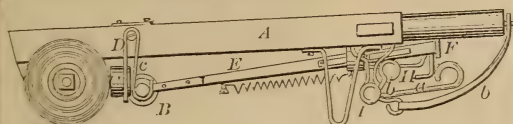
73395—P. J. Skinner—Barrel Stand.



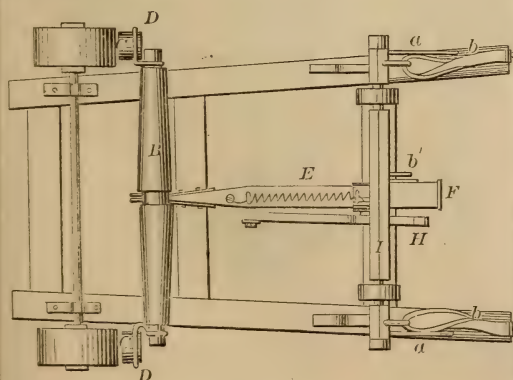
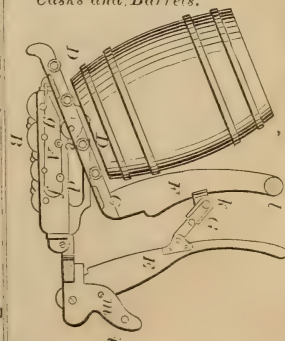
73396—J. E. Stawson—Gate for Railroad Cars.



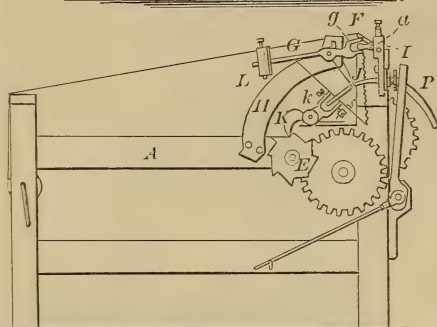
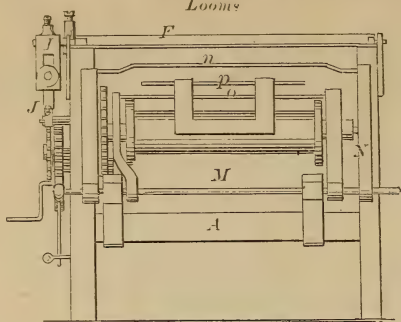
73397—A. V. Smith—Store Truck.



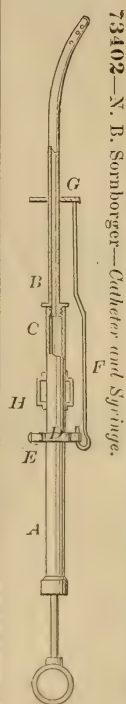
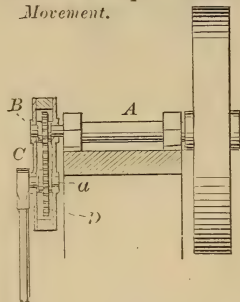
73398—R. Smith—For Raising Casks and Barrels.



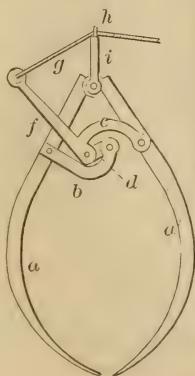
73399—Smith & Ely—*Let-off Mechanism for Looms*



73401—E. Soper—*Mechanical Movement.*

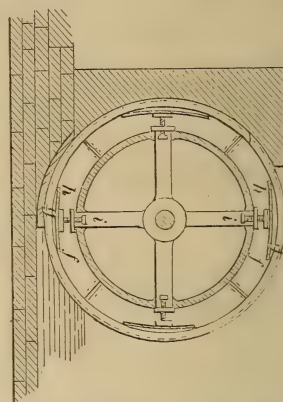
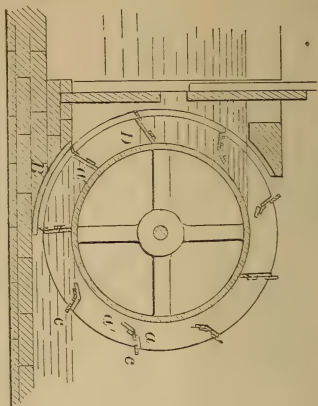


73402—N. B. Sornborger—*Cutter and Syringe.*

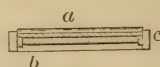
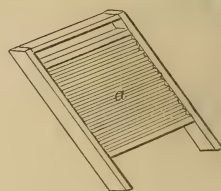


73403—L. C. Spear—*Horse Hay Fork.*

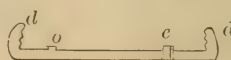
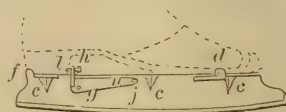
73400—W. Snodgrass—*Water Wheel.*



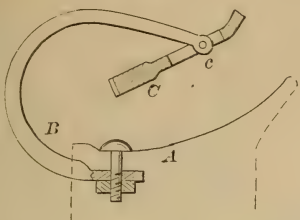
73404—E. M. Stevens—*Wash Board.*



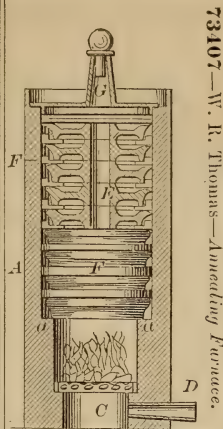
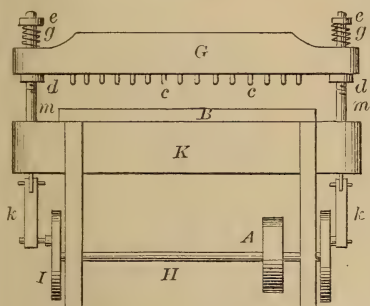
73405—W. X. Stevens—*Skate.*



73406—F. W. Stokes—*Check Rein Hook*

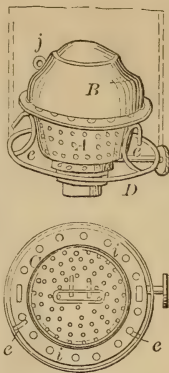


73408—J. Tidd—*For Softening Leather and Hides.*

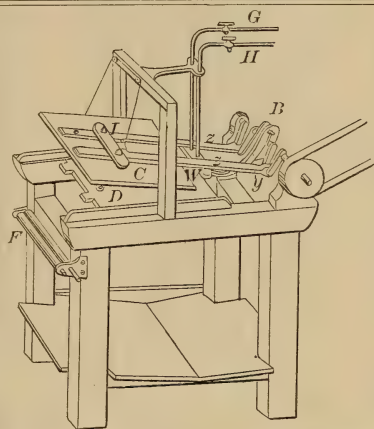


73407—W. R. Thomas—*Annealing Furnace.*

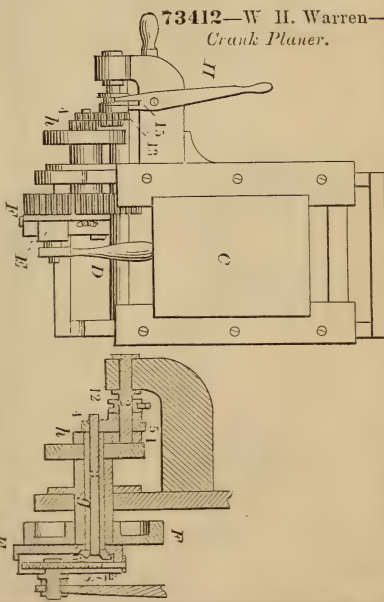
73409—H. Tilden—*Lamp.*



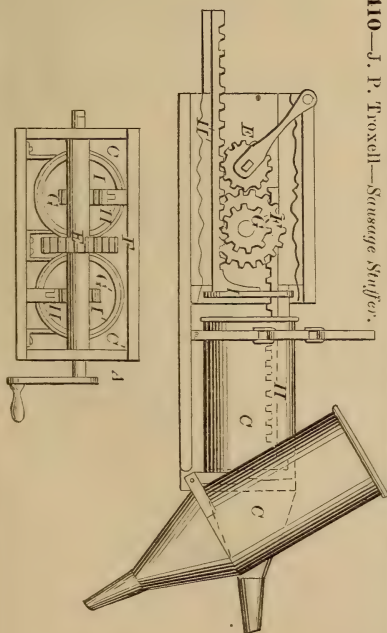
73411—H. Warner—*For Sizing Hat Bodies*



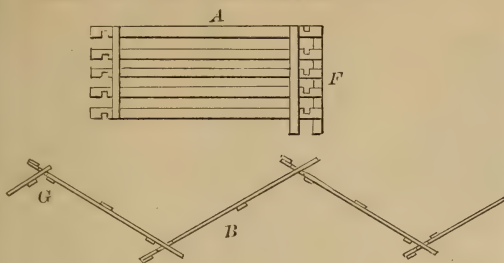
73412—W. H. Warren—*Crank Planer.*



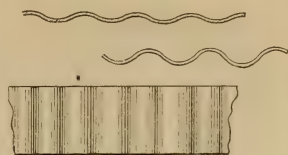
73410—J. P. Troxell—*Sausage Stuffer.*



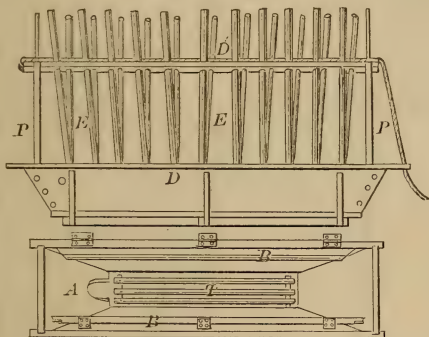
73420—J. Will—Worm Fence and Pen.



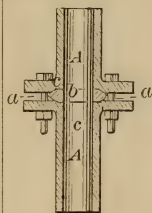
73421—J. B. Wilson—Vencer.



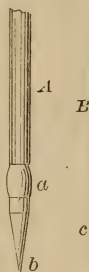
73426—J. D. McBride—Trough and Rack for Feeding Sheep, &c.



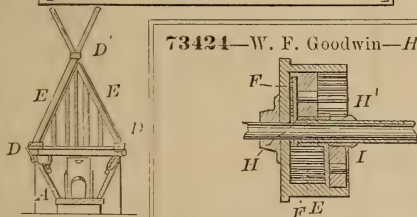
73422—L. Wilson—Pipe Coupling.



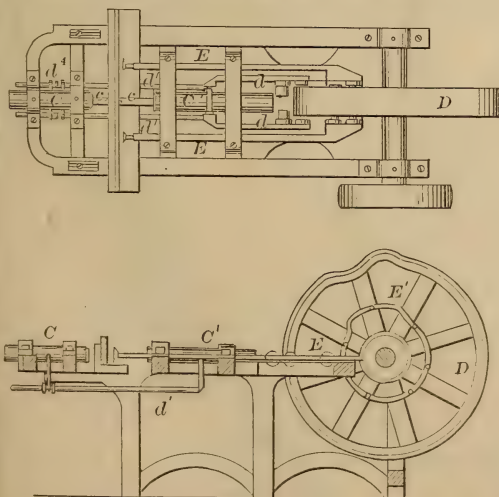
73423—N. W. Green—Constructing Wells.



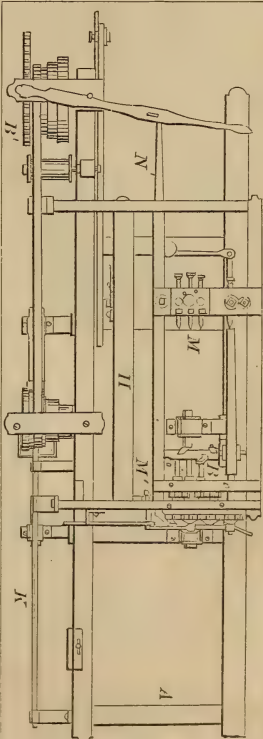
73424—W. F. Goodwin—Harvester.



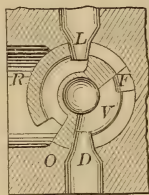
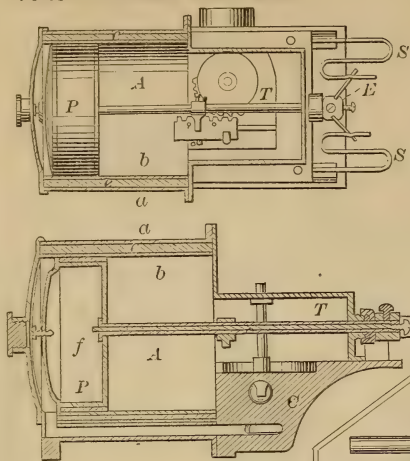
73428—Baggerman & Green—Mortising Machine.



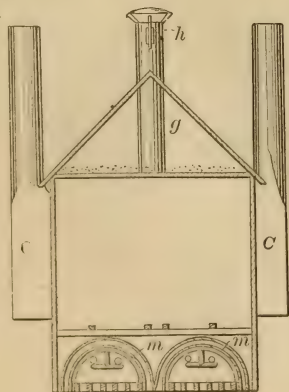
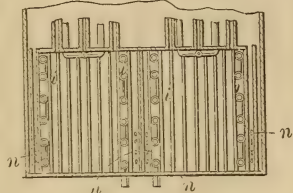
73423—E. K. Wisell—Wood Turning Lathe.



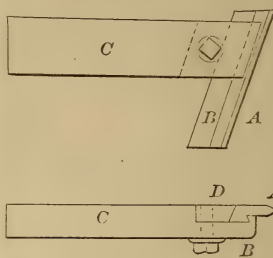
73430—P. Ball—Water Meter.



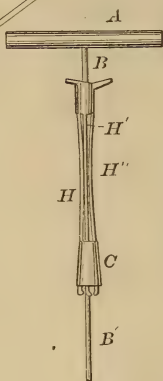
73433—J. K. Caldwell—Brick Drying Apparatus.



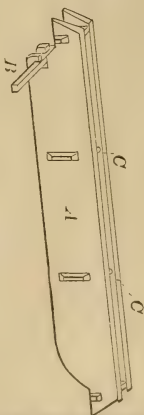
73431—E. B. Beach—Screw Cutting Tool.



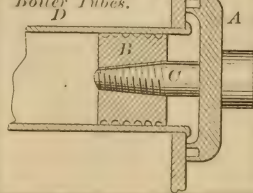
73435—S. E. Clapp—Cork Pull.



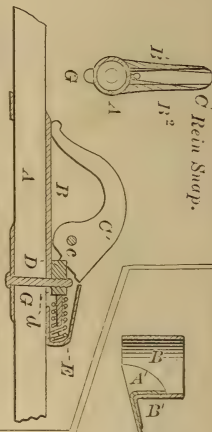
73436—G. H. Clarke—Furnace Grate Bar.



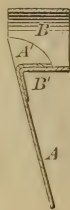
73439—R. A. Copeland—Device for Leaky Boiler Tubes.



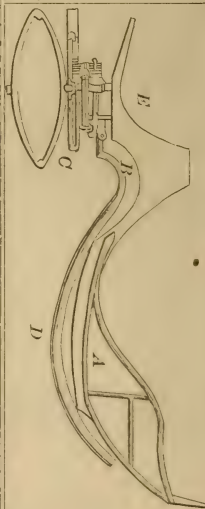
73432—W. H. Benham—C Rein Shear.

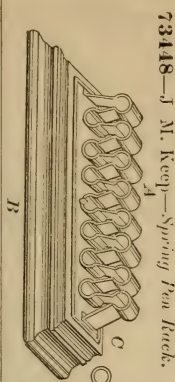
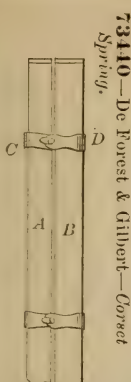


73437—W. T. Clement—Hoe

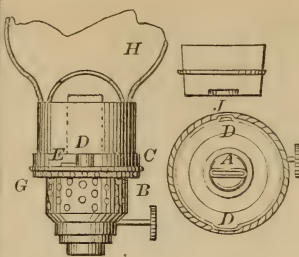


73438—Cooper & Gregory—Carriage Patch.

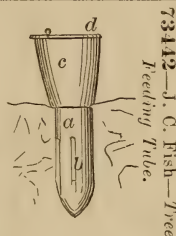
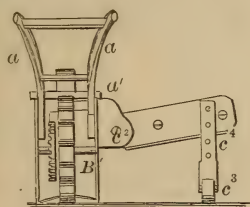
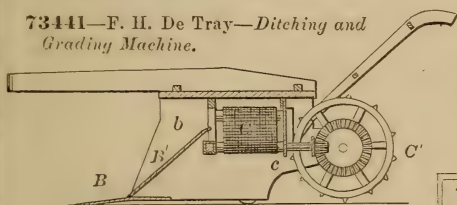




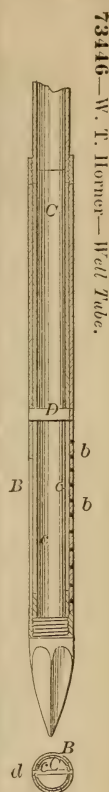
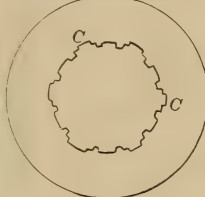
73443—S. W. Fowler—*Lamp.*



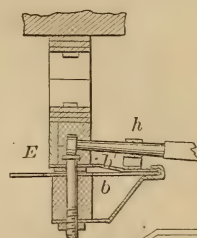
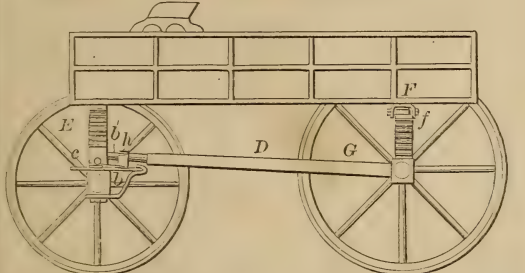
73441—F. H. De Tray—*Ditching and Grading Machine.*



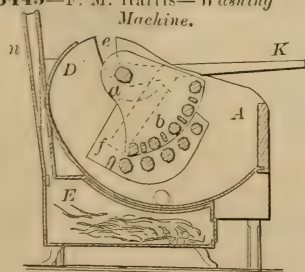
73447—B. B. Hotchkiss—*Rifling Ordnance.*



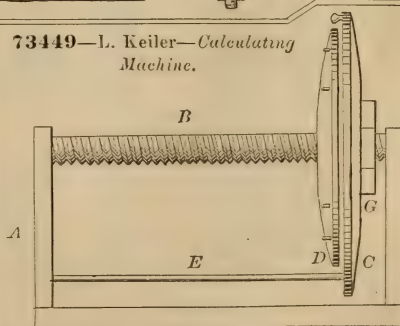
73444—D. D. Gitt—*Vehicle Running Gear.*



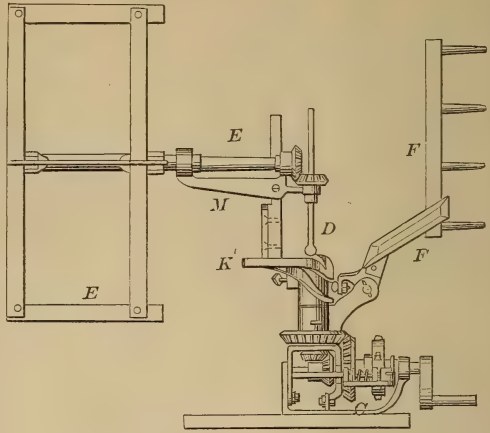
73445—F. M. Harris—*Washing Machine.*



73449—L. Keiler—*Calculating Machine.*



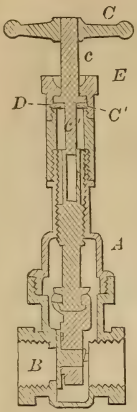
73452—W. G. Merrell—Harvester Rake.



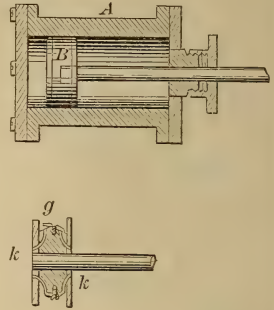
73451—H. O. Lothrop—Coating Heel and Toe Iron.



73450—C. Kline—Stuffing Box for Valve Stems.



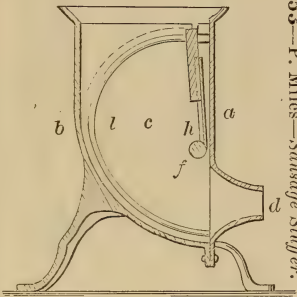
73456—A. Nadow—Piston.



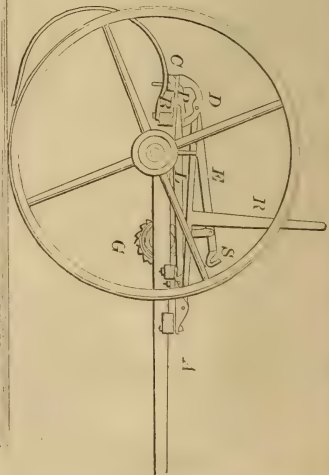
73454—W. H. Miller—Piston Rod Packing.



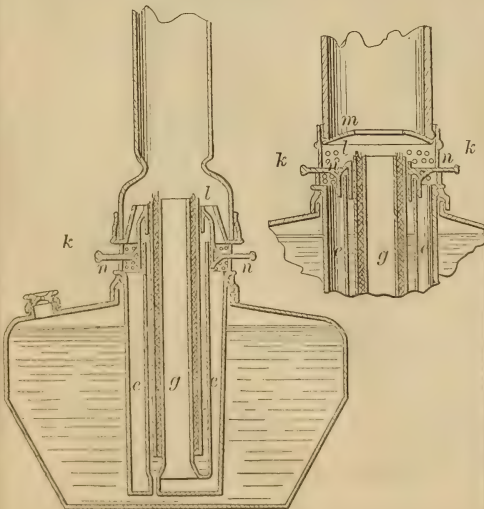
73453—P. Miles—Sausage Stuffer.



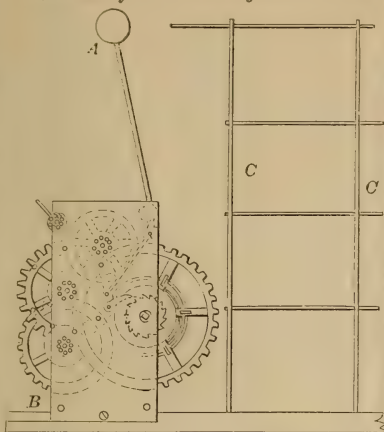
73457—O. Nivison—Horse Rake.



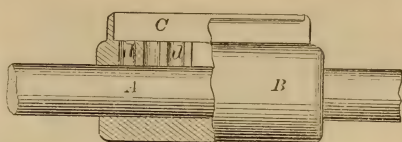
73455—Murray & Howland—Argand Lamp for Burning Petroleum.



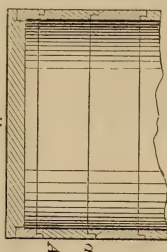
73458—W. H. Noble—*For Preventing the Curculio from Ascending Fruit Trees.*



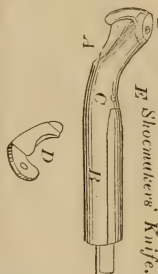
73459—L. H. Olmsted—*Lubricating Bearing for Machinery.*



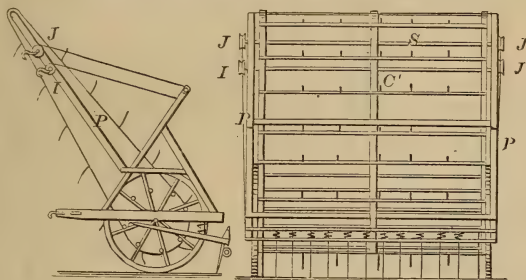
73461—L. Raymond—*Making Bricks.*



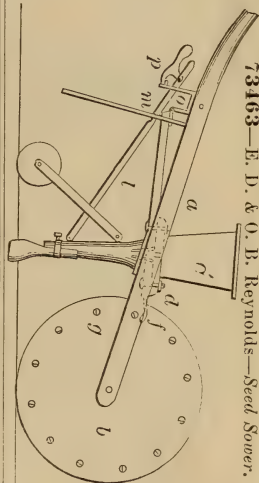
73462—J. Keist—*Shoemakers' Knife.*



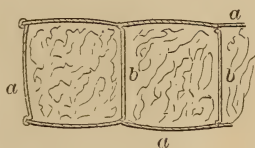
73460—C. Plaisted—*Hay Raker and Loader.*



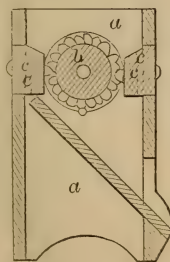
73463—E. D. & O. B. Reynolds—*Seed Sower.*



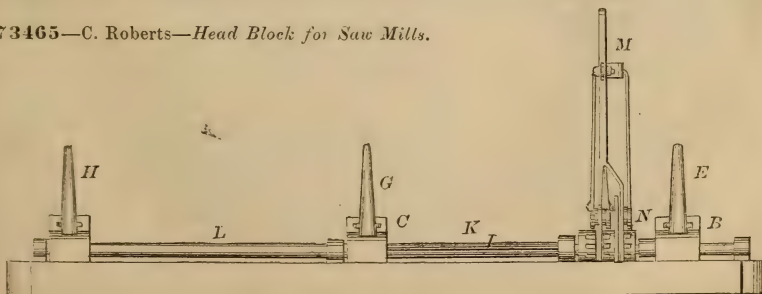
73466—G. Schott—*Mattress.*



73464—N. Richardson—*Meat Cutter.*



73465—C. Roberts—*Head Block for Saw Mills.*



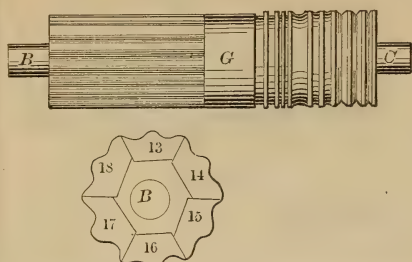
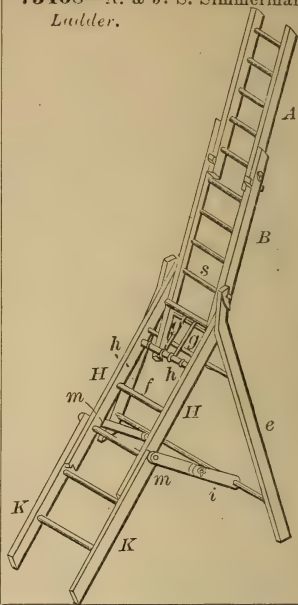
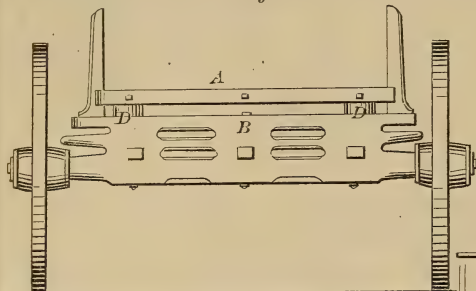
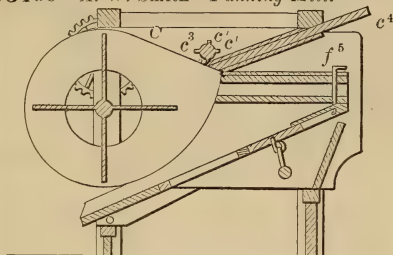
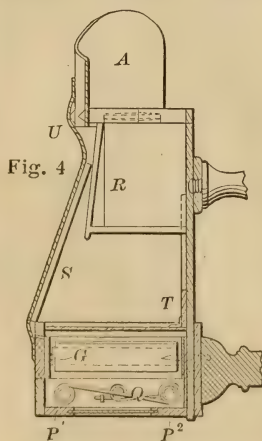
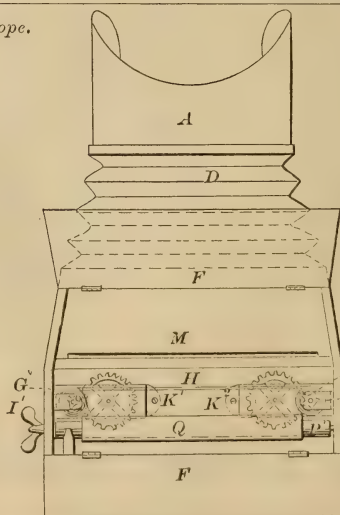
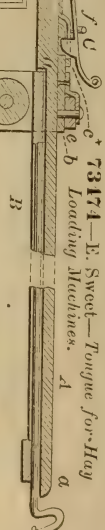
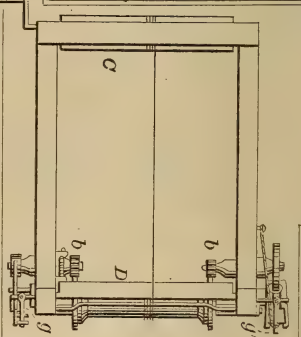
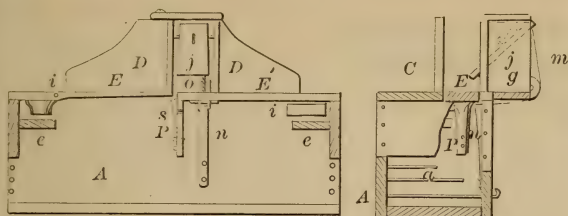
73467—S. J. Seely—*Iron Roll.*73468—A. & J. S. Simmerman—*Ladder.*73471—C. Stebbins—*Wagon Bolster.*73469—A. W. Smith—*Fanning Mill.*73472—J. W. Storrs—*Stereoscope.*

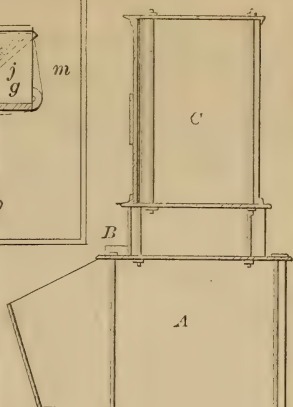
Fig. 4

73470—T. S. Smith—*Let-off for Looms.*73474—E. Sweet—*Tongue for Hay Loading Machines.*

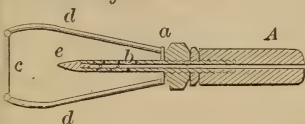
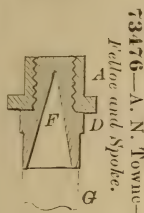
73475—N. S. Thompson—Animal Trap.



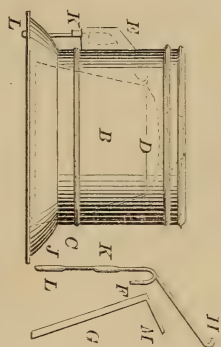
73477—A. N. Towne—Coal Box Store.



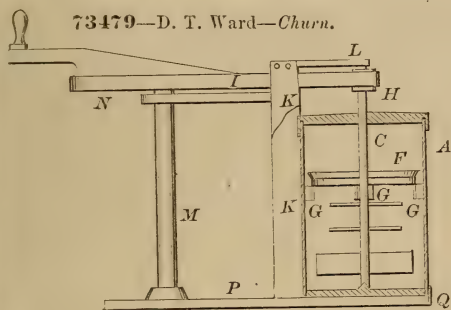
73478—W. K. Vanderslice, Jr.—Segar Holder.



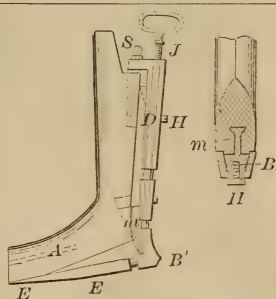
73481—Wenworth & Clark—Lantern.



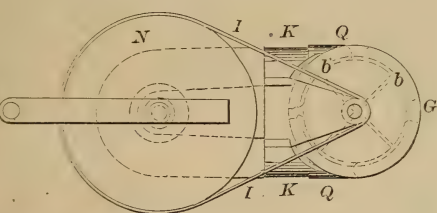
73479—D. T. Ward—Churn.



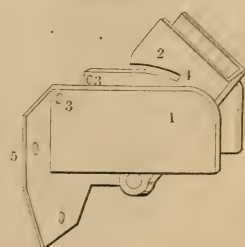
73483—H. Wright—Boot Crimp.



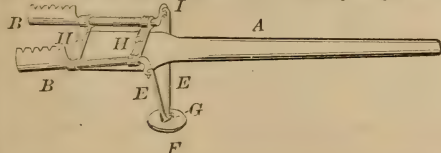
73480—S. Way—Gang Plow.

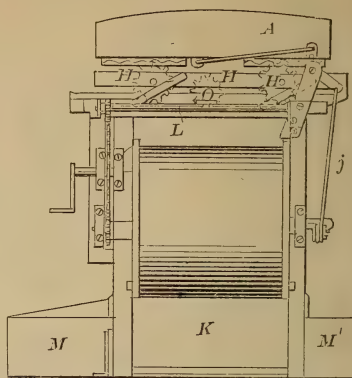
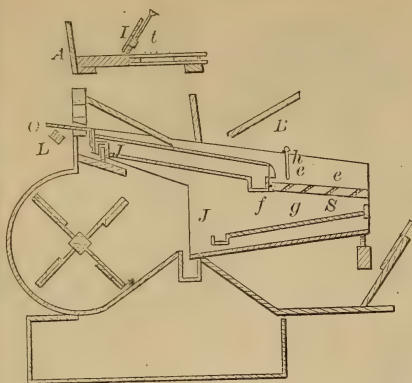
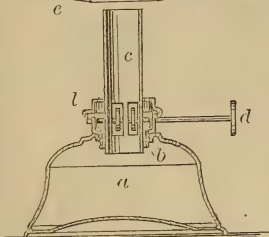
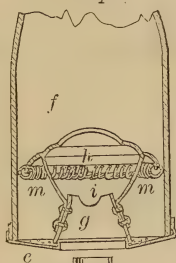
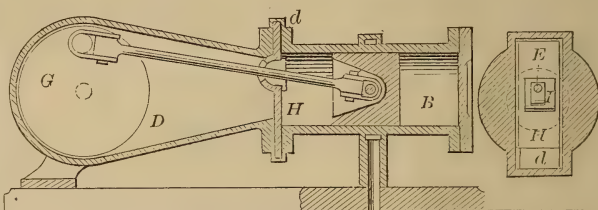
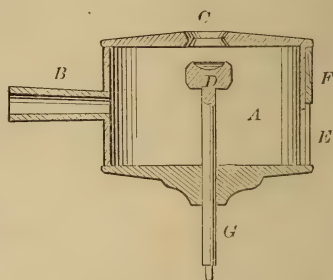
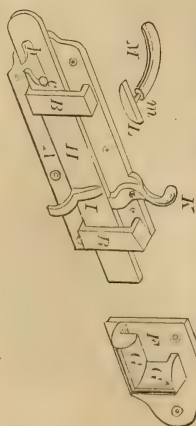
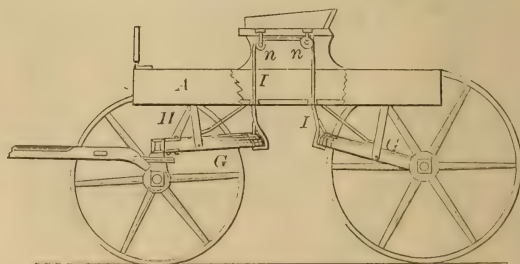


73484—M. Adams—Chuck for Whale Boats.

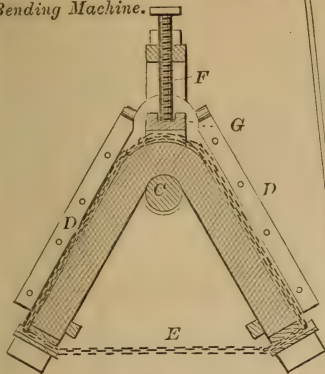


73482—J. R. Woodworth—For Pulling Hop Poles.

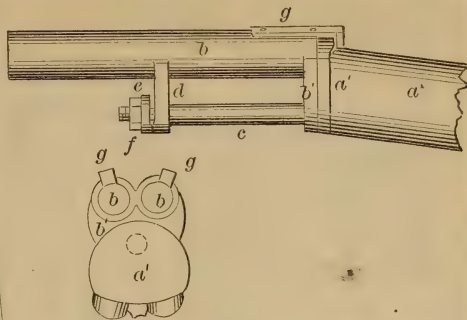


73485—S. Adams—*Winnowing Mill.***73488**—L. J. Atwood—*Lamp.***73489**—H. Bailey—*Steam Engine.***73490**—L. M. Bailey—*Tuyere Iron.***73487**—J. L. Arman—*Electric Cable.***73491**—H. Baker—*Bolt and Latch.***73492**—Blair & Gladding—*For Hanging Carriage Bodies.*

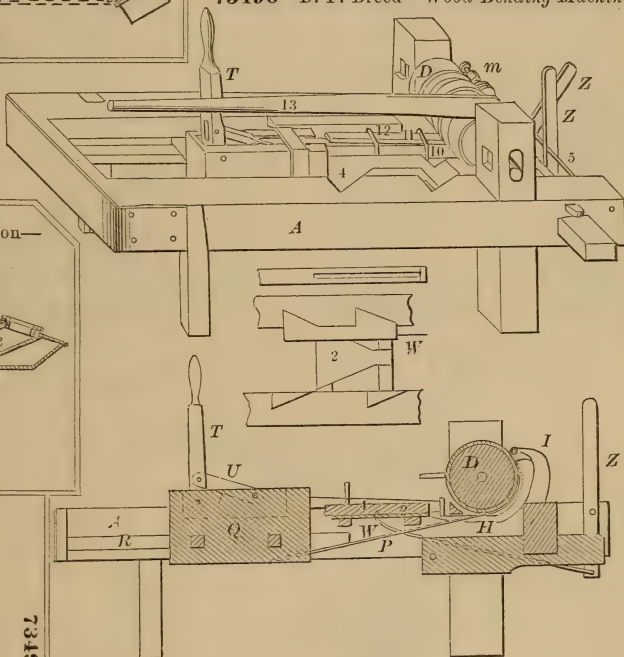
73493—I. W. Bowers—Wood Bending Machine.



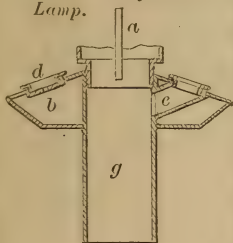
73494—Boyd & Shelton—Breech-Loading Fire Arm.



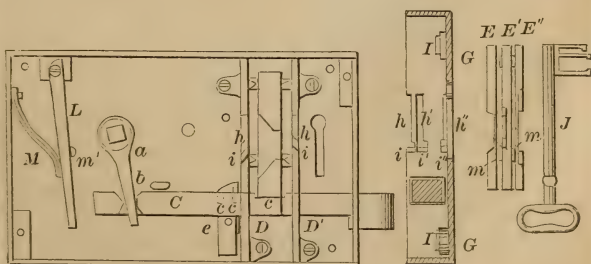
73496—D. F. Breed—Wood Bending Machine.



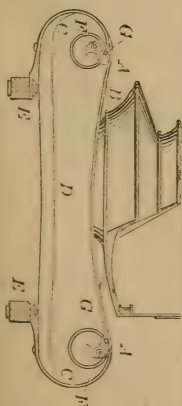
73495—O. Boynton—Lamp.



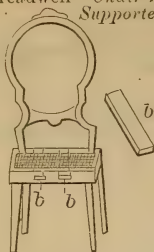
73498—C. Brown—Knob Latch and Knob.



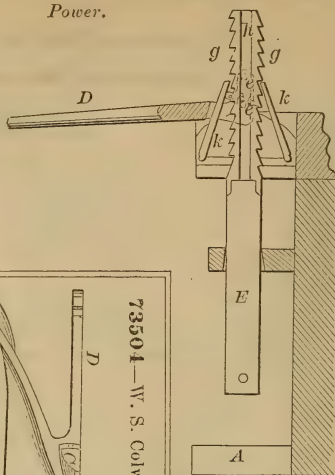
73497—E. C. Brooks—Spring Attachment to Vehicles.



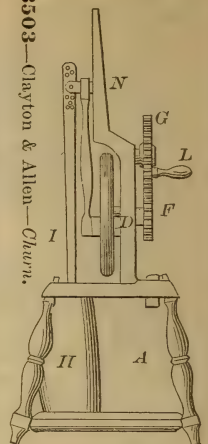
73499—Butterfield & Treadwell—Chair Seat Supporter.



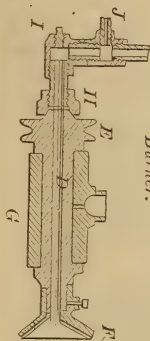
73500—N. Carpenter—Hop Press Power.



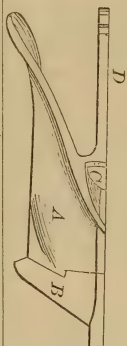
73503—Clayton & Allen—Churn.



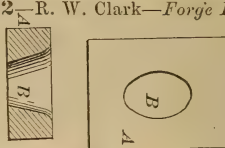
73506—F. Cook—Hydro-Carbon Burner.



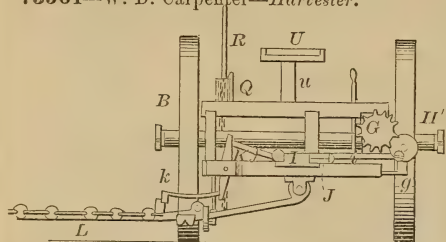
73504—W. S. Colwell—Plow.



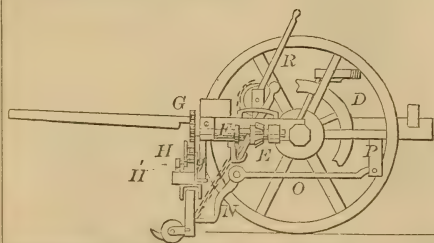
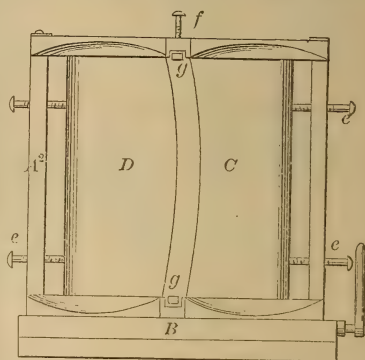
73502—R. W. Clark—Forge Hearth.



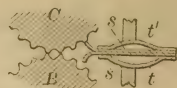
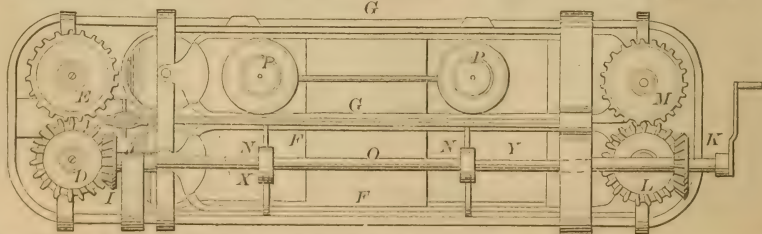
73501—W. D. Carpenter—Harvester.



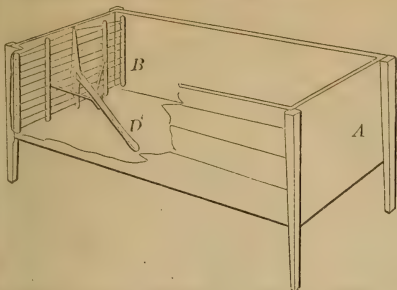
73505—W. S. Colwell—Stave Machine.



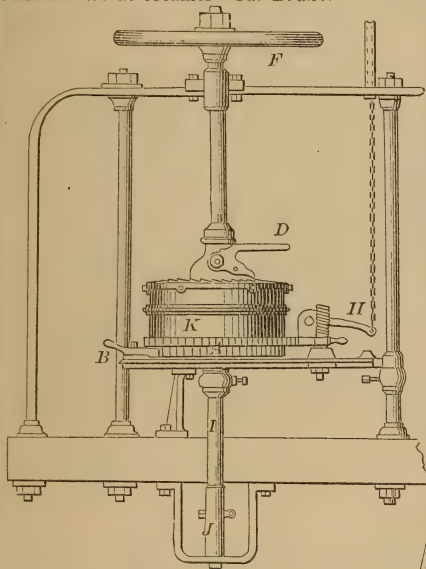
73507—J. F. Cranston—For Making and Dipping Matches.



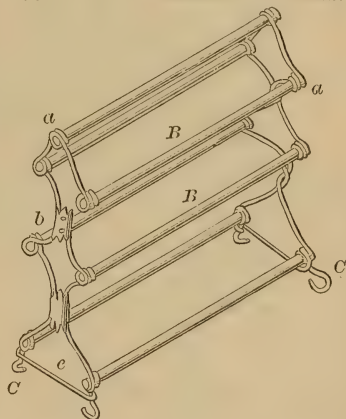
73508—P. Cray—Curd Breaker.



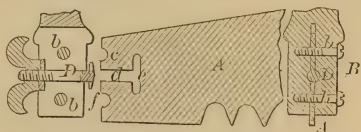
73509—W. G. Creamer—Car Braks.



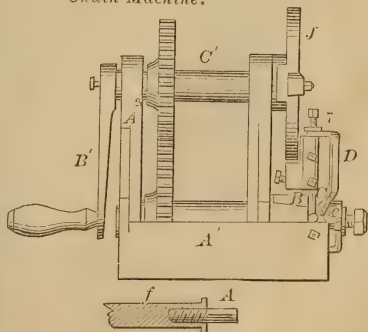
73517—E. E. Everett—Towel Rack.



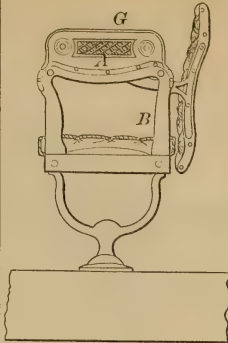
73516—T. S. Disston—Cross Cut Saw.



73518—Fitzpatrick & Schinneller—Chain Machine.



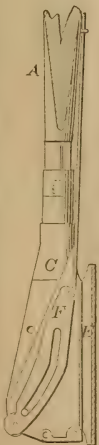
73510—W. G. Creamer—Car Seat.



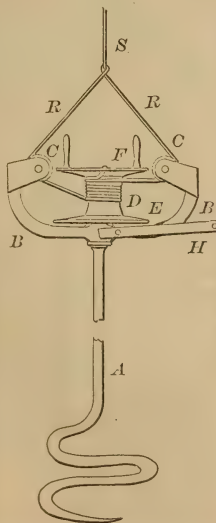
73511—A. C. Crosby—Jeweling Watches

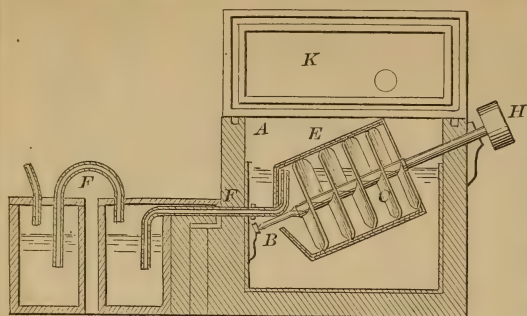
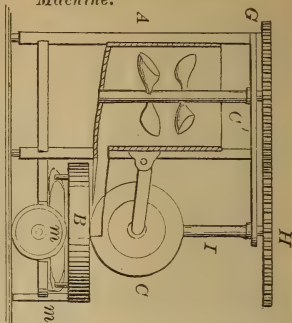
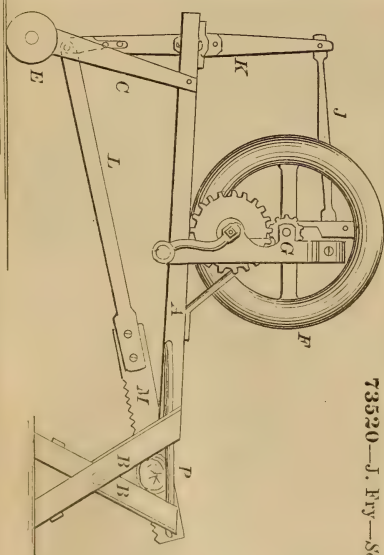
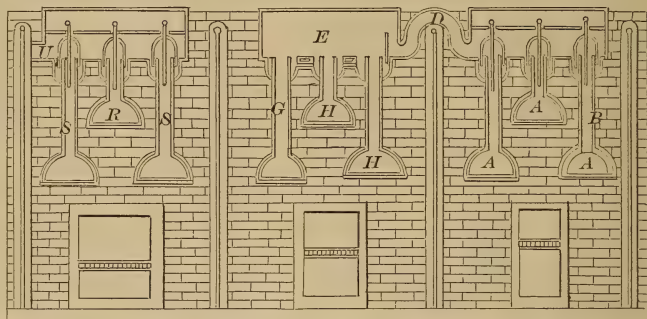
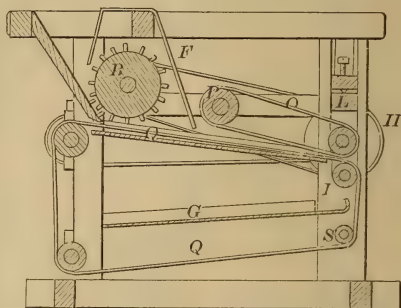
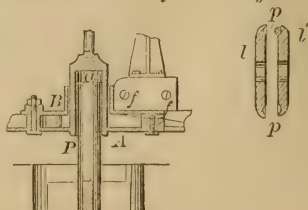


73513—J. D. Dale—For Discovering Fractures in Wells.

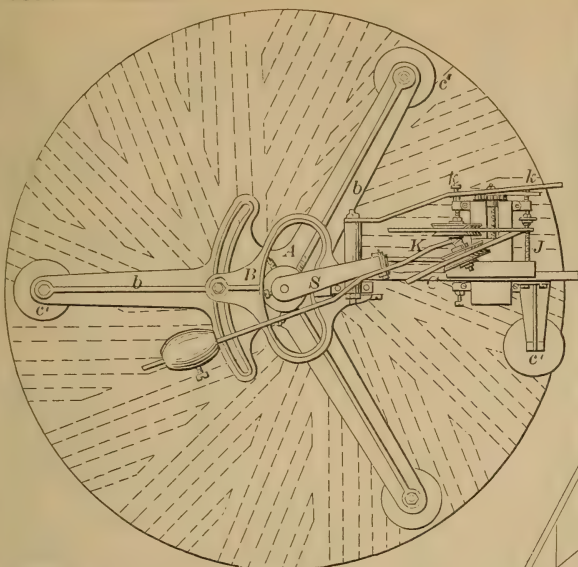


73515—H. E. Dewey—Horse Hay Rake.



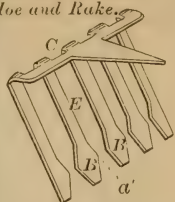
73519—F. Formhals—*For Collecting Metallic Vapors.*73522—R. M. Gano—*Brick Machine.*73521—R. M. & A. R. Fryer—*Manufacture of Illuminating Gas*73520—J. Fry—*Sawing Machine.*73523—L. Gebhart—*Cider Mill.*73524—S. Golay—*Dressing Mill Stone.*

73524—Continued.

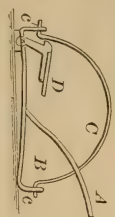


73525—

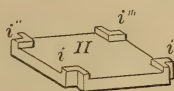
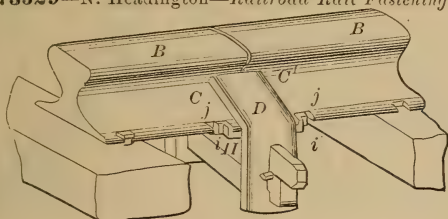
R. H. Gordon, Sr.—
Hoe and Rake.



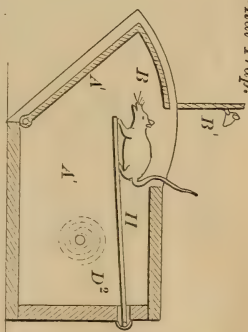
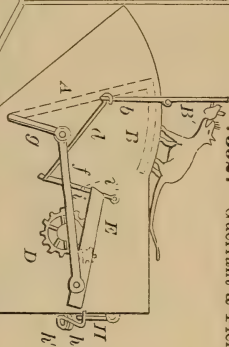
73526—Goss & Rais—
Steel Trap.



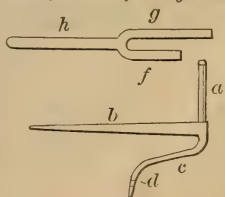
73529—N. Headington—Railroad Rail Fastening



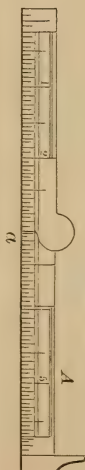
73527—Guerrant & Field—Rat Trap.



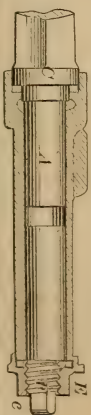
73533—C. Kaulbeck—
Manufacture of Hinge Hooks.



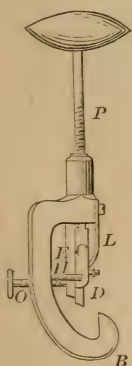
73532—W. O. Jones—Rule and Square.

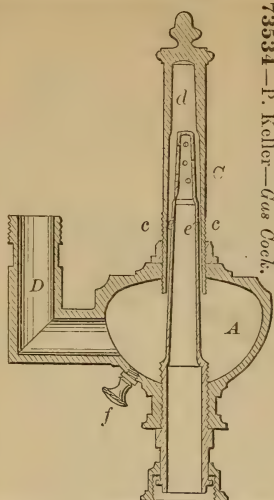


73530—W. S. Johnson—Buggy Top.



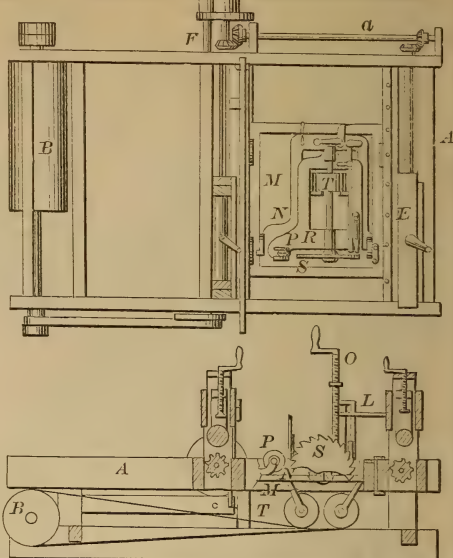
73528—D. F. Hartford—Pipe and Rod Cutter.



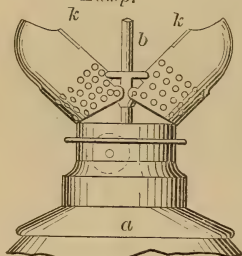


73534—P. Keller—Gas Cock.

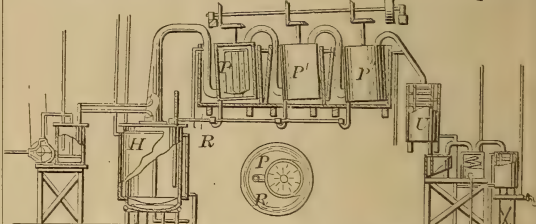
73536—J. L. Knowlton—Circular Saw Mill.



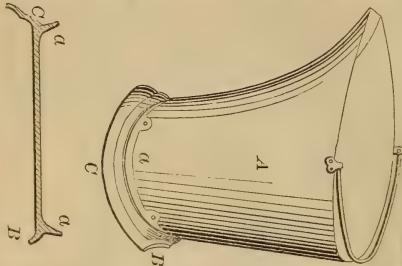
73538—Lock & Weedon—Lamp.



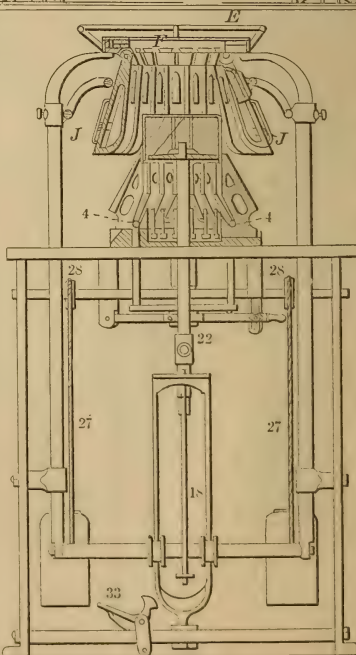
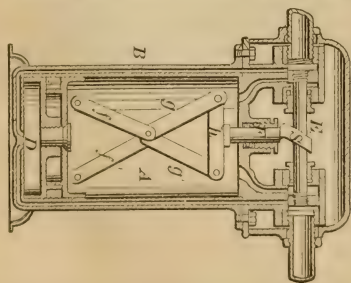
73539—O. Lugo—For Distilling Spirituous Liquids.



73535—E. W. Kimball—Coal Hod Bottom.

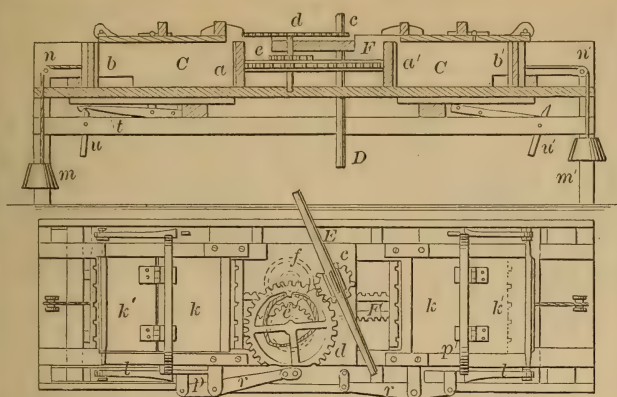


73537—W. Livingstone—Water Meter.

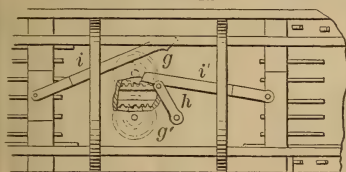


73541—Mandeville & Pené—For Blocking and Stretching Hats.

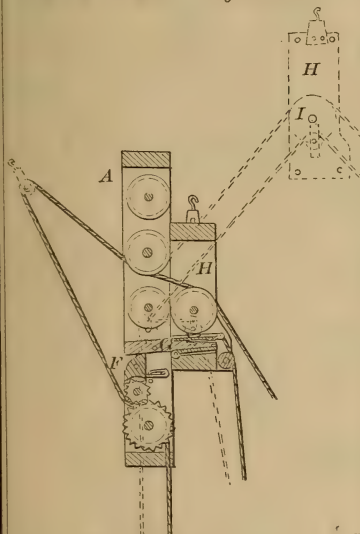
73542—Maxey & Mason—Hay and Cotton Press.



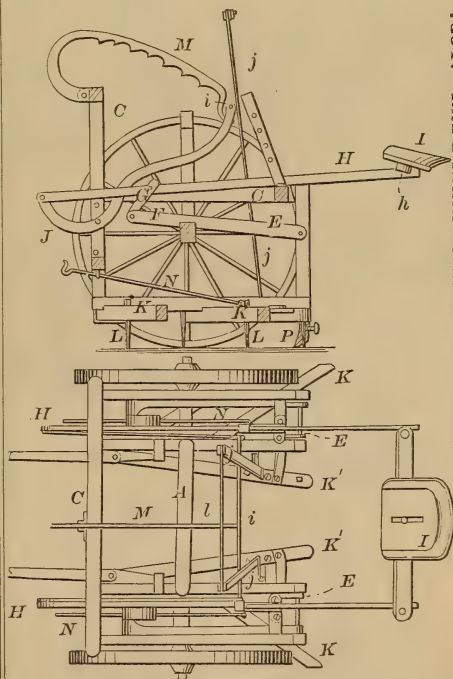
73546—C. C. Pense—Instep Stretcher.



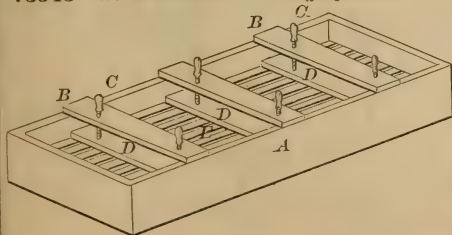
73544—A. Mott—Hay Elevator.



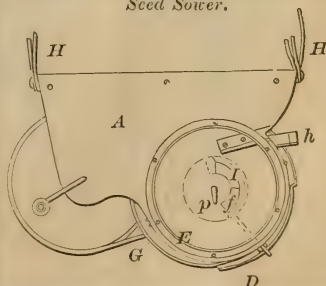
73547—Rich & Neiser—Cultivator and Harrow.



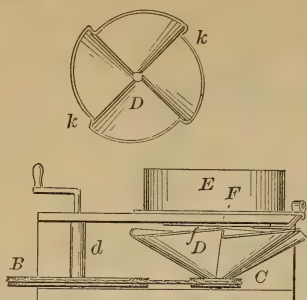
73543—W. E. Michael—For Stuffing Seats.



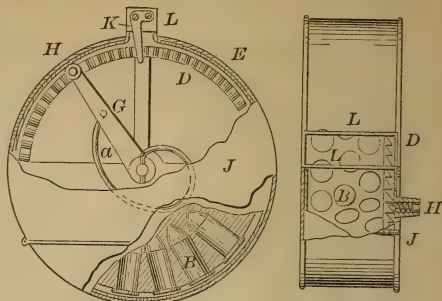
73548—Rowe, Mitchell & Hamill—Seed Sower.



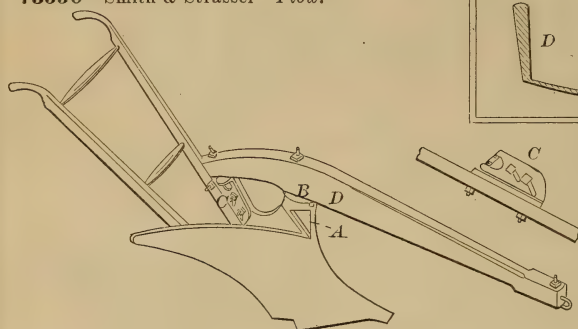
73548—Continued.



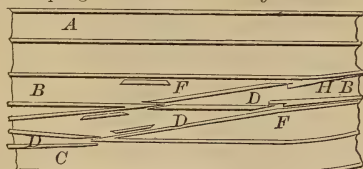
73549—P. F. Schneider—Cartridge Box.



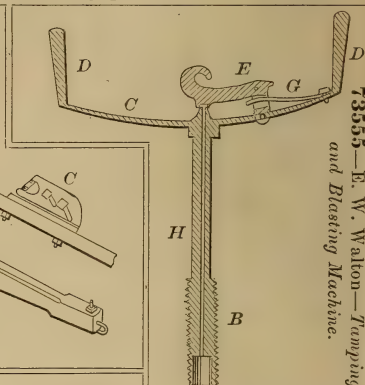
73550—Smith & Strasser—Plow.



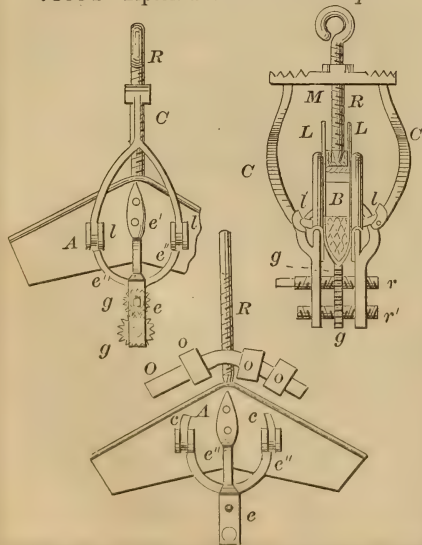
73551—Spurgin & Kirk—Railway Switch.



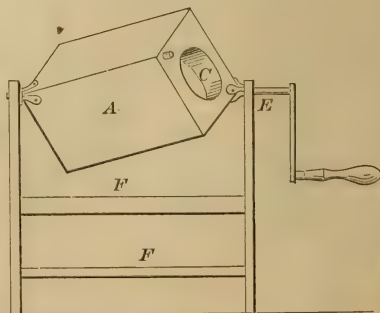
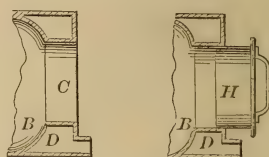
73555—E. W. Walton—Tamping and Blasting Machine.



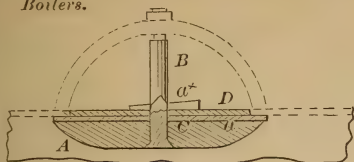
73554—Tipton & Carl—Boot Crimp.



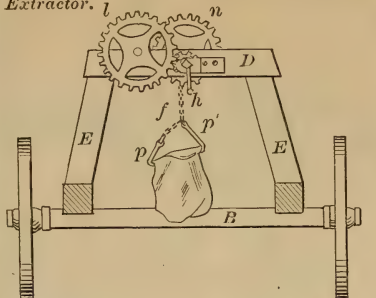
73556—S. J. Whipple—Churn.



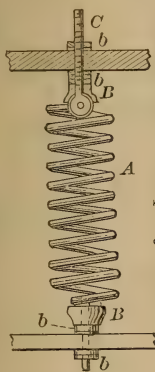
73557—G. White—*Hand Hole Joint for Boilers.*



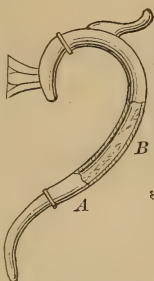
73558—Wieand & Gorr—*Stone and Stump Extractor.*



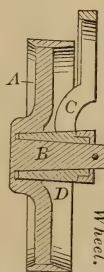
73559—D. Wilt—*Spring Holder.*



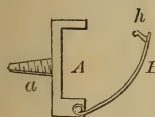
73567—W. Bellamy—*Handle for Metal Tee and Coffee Pots.*



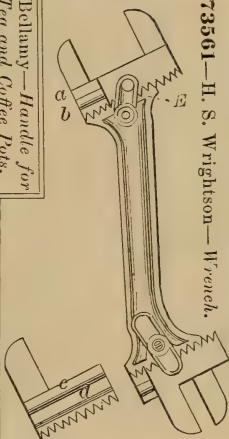
73564—P. D. Beckwith—*Plow Gauge Wheel.*



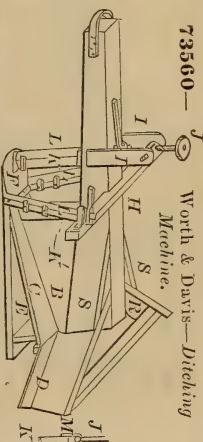
73563—W. R. Anderson—*Steel Rod Fastener.*



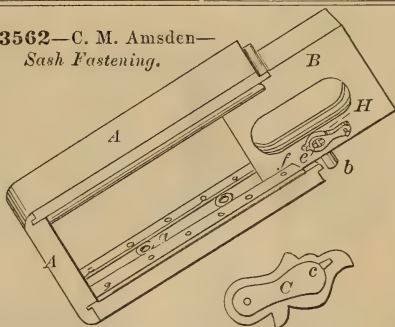
73561—H. S. Wriggison—*Wrench.*



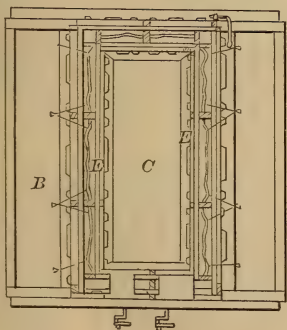
73560—*Worth & Davis—Ditching Machine.*



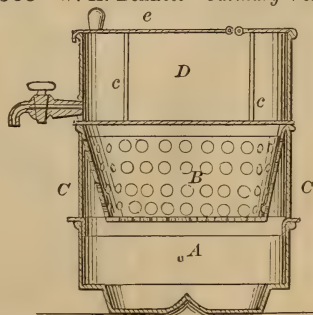
73562—C. M. Amsden—*Sash Fastening.*



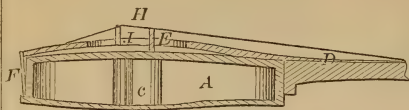
73566—E. Bell—*Coffer Dam.*



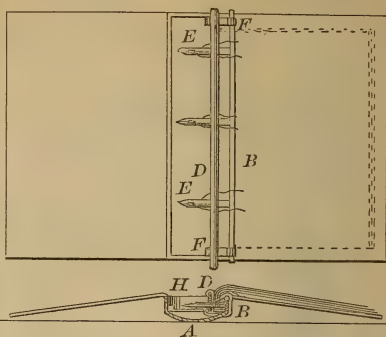
73568—W. H. Bennett—*Culinary Vessel.*



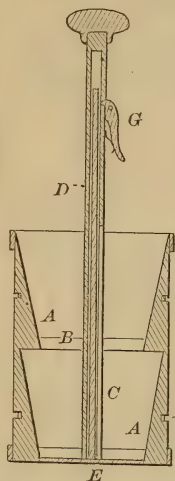
73569—B. Bishop—Violin.



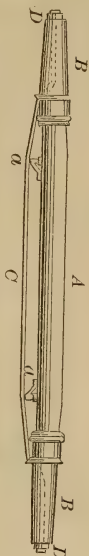
73572—S. Brock—Paper File.



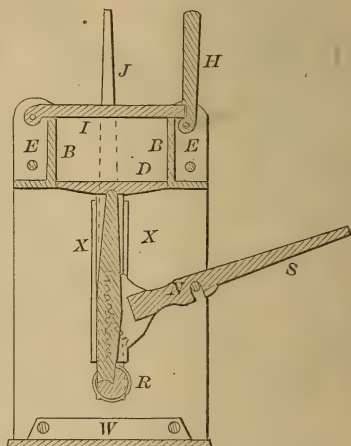
73573—A. Brooks—For Supporting Tin Cans when being Soldered.



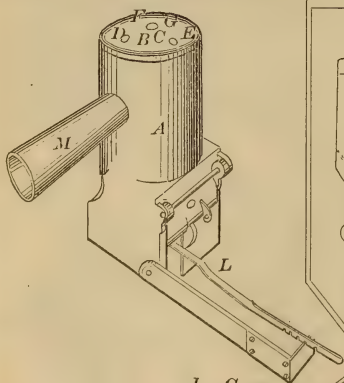
73575—C. E. Buck—Axle-ree.



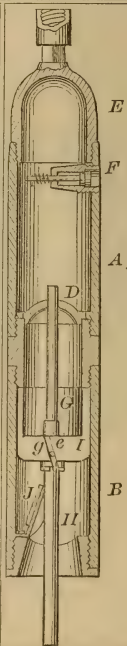
73576—T. J. Burke—Concrete Brick Press.



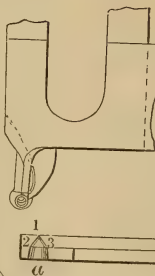
73574—J. Brown—Tuyere Iron.



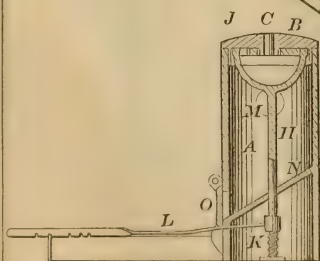
73577—J. F. Carrl—Sand Pump for Oil Wells.



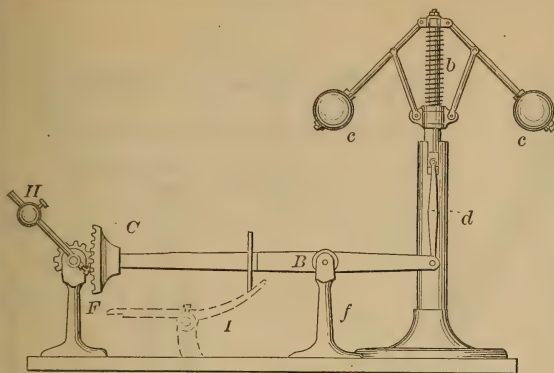
73570—L. R. Blake—For Cutting Channels in Boots and Shoes



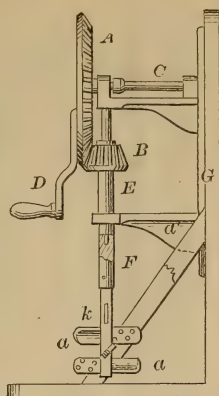
73571—L. K. Boyd—Ring for Closing Fruit Jars.



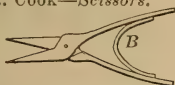
73578—W. L. Collamore—Steam Governor.



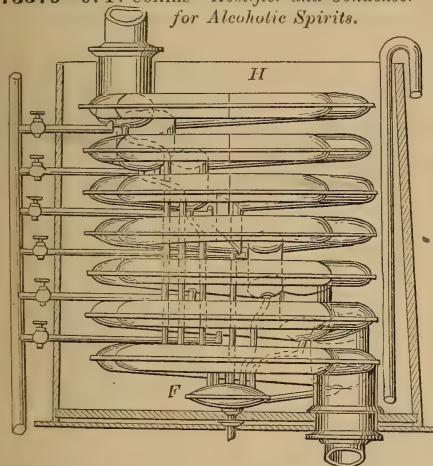
73583—M. O. Davis—Churn Dasher.



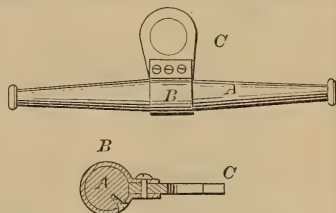
73580—R. Cook—Scissors.



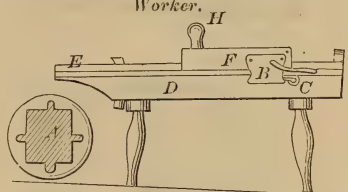
73579—J. F. Collins—Rectifier and Condenser for Alcoholic Spirits.



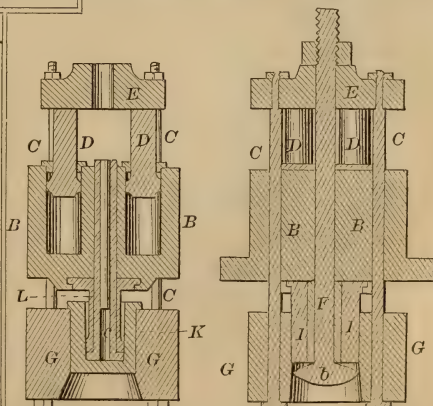
73581—E. & J. C. Covert—Neck Yoke.



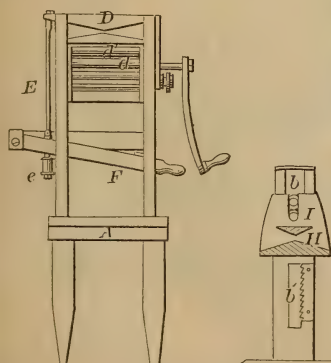
73582—W. Cunningham—Butter Worker.



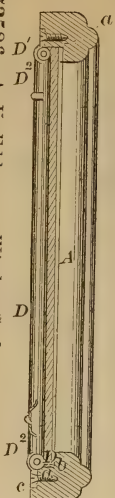
73585—A. Dow—For Manufacturing Sheet Lead.



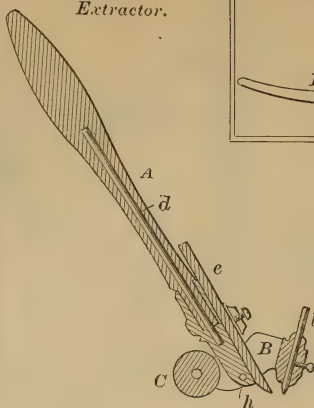
73584—W. S. Douglas—Clothes Wringer.



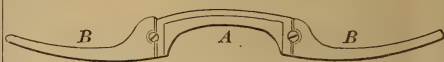
73586—A. K. Eddowes—Window Sash.



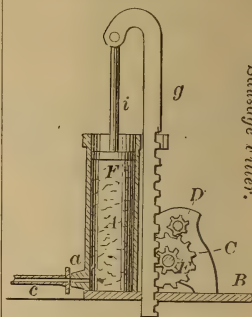
73587—J. Edson—Nail Extractor.



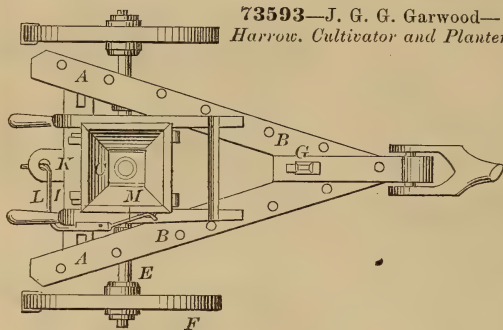
73588—M. M. Elliott—Shoe Shave.



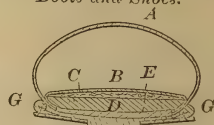
73591—M. Fonerstein—Sausage Filler.



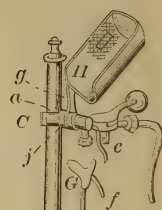
73593—J. G. G. Garwood—Harrow, Cultivator and Planter.



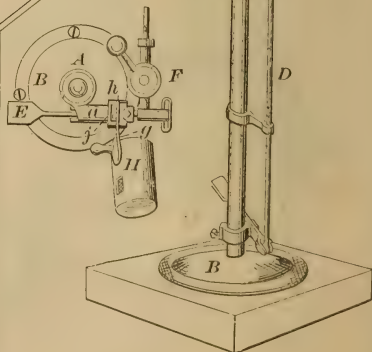
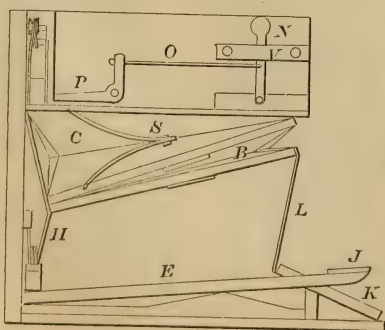
73589—M. R. Ethridge—Boots and Shoes.



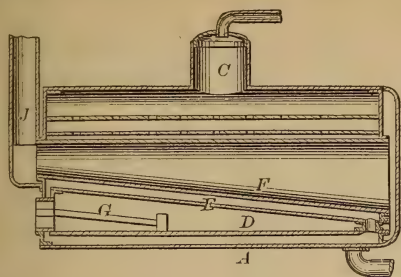
73594—W. Gee—For Filling Syphon Bottles.



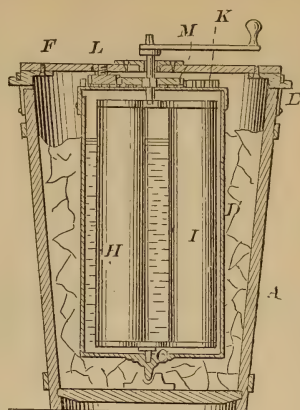
73592—O. Follett—Bellows.



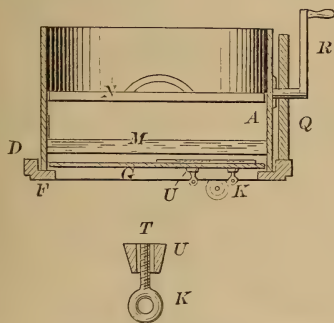
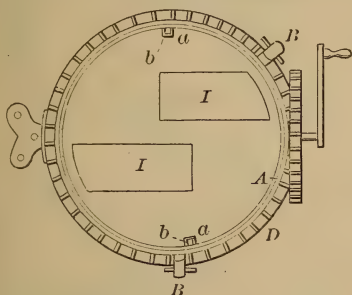
73595—H. Gerner—*Steam Generator.*



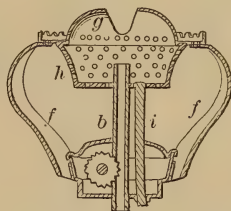
73596—C. Gooch—*Ice Cream Freezer.*



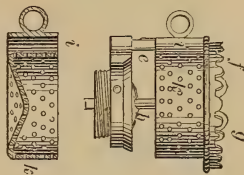
73597—G. P. Hachenberg—*Vegetable Cutter.*



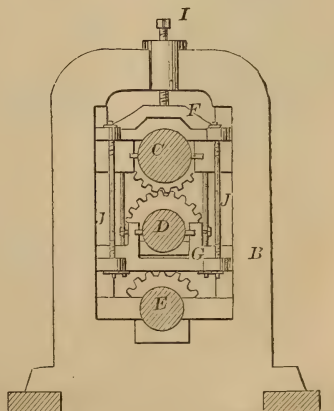
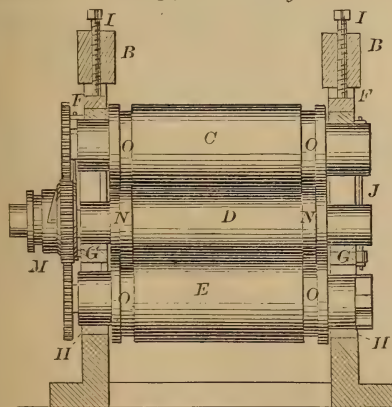
73599—H. W. Hayden—*Lamp.*



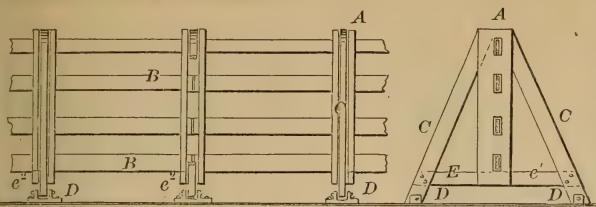
73600—H. W. Hayden—*Lamp.*



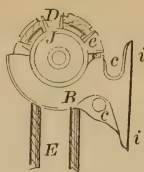
73598—G. Hastings, Jr.—*Rolling Machine.*



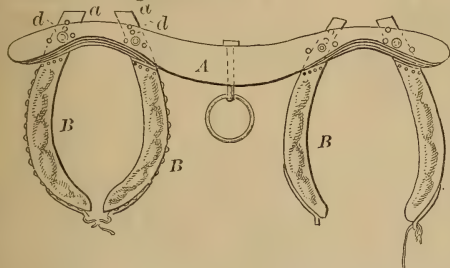
73611—D. Kaufman—Fence.



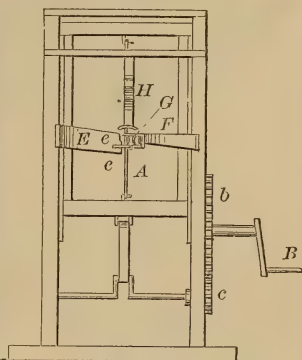
73612—C. F. Knauer—
Curtain Fixture.



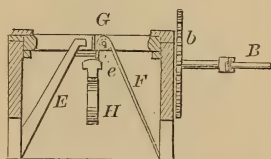
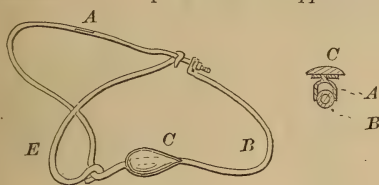
73613—J. Langenbach—Ox Yoke.



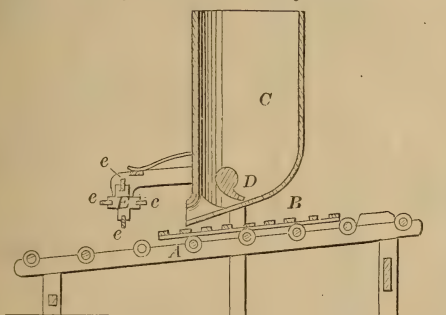
73615—A. Lutz—For Sawing
Hoops.



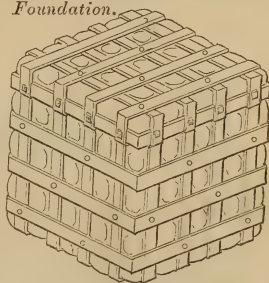
73614—J. Lecocq—Abdominal Supporter.



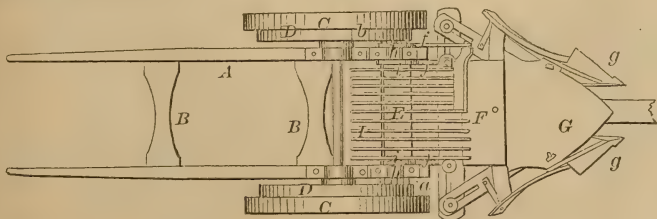
73616—J. B. Lyons—For Moulding Peat.

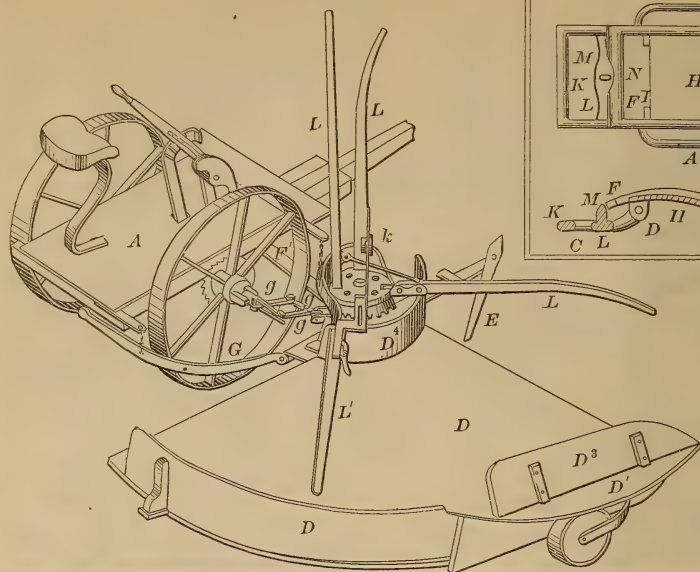
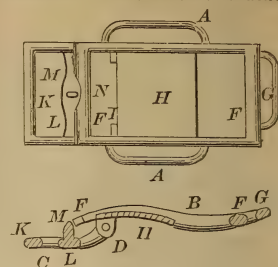
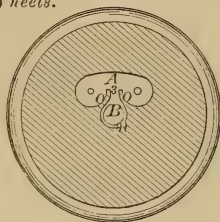
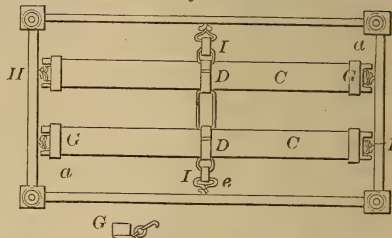
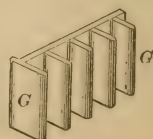
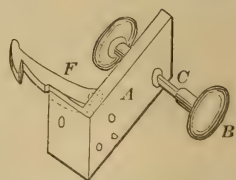
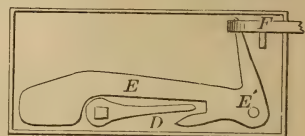
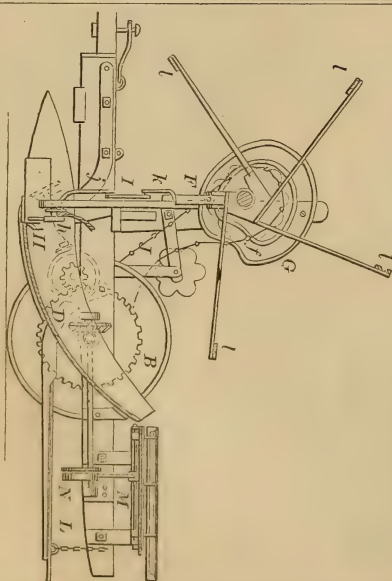


73617—E. Manico—Marine
Foundation.

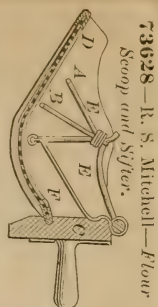
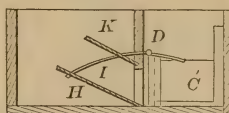
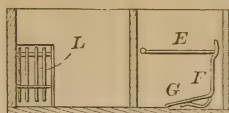
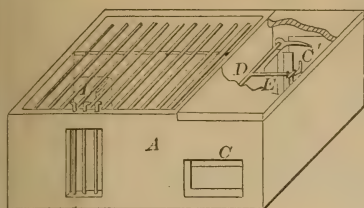


73618—F. B. Marden—Potato Planter, Hoe and Potato Digger.



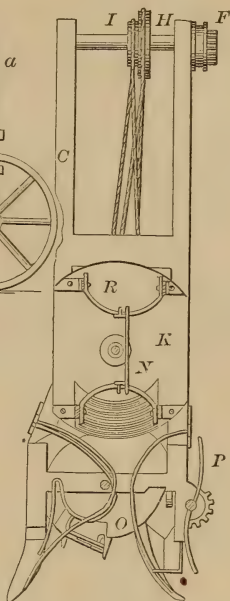
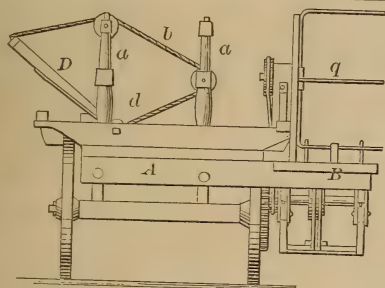
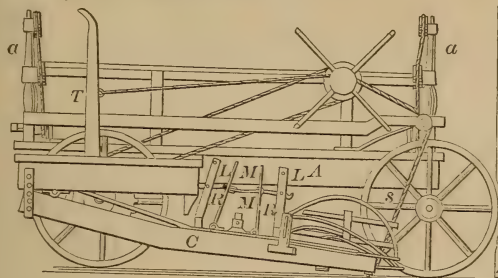
73619—J. S. Marsh—*Harvester Rake.*73620—C. W. Martin—*Buckle.*73621—W. W. Martin—*Lubricating Car Wheels.*73622—N. Maxey—*Bed Bottom.*73624—C. E. Merrifield—*Gate Latch.*73623—J. B. McCormick—*Harvester Rake.*

73625—J. H. Miller—Animal Trap.

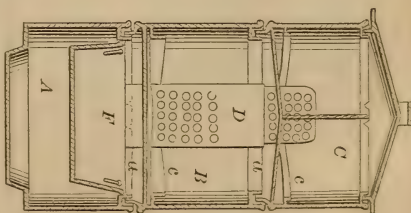
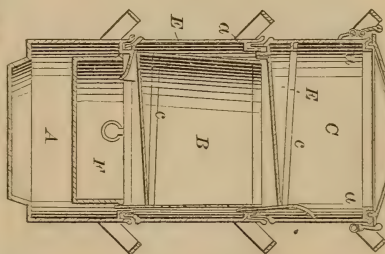
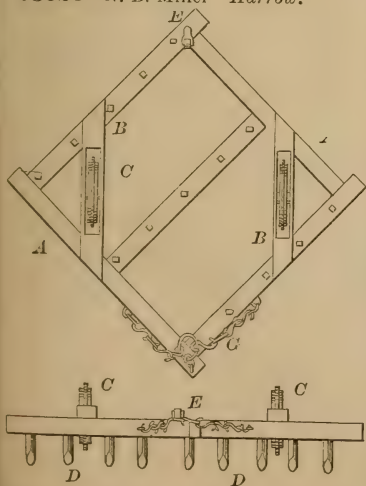


73628—R. S. Mitchell—Flour Scoop and Sifter.

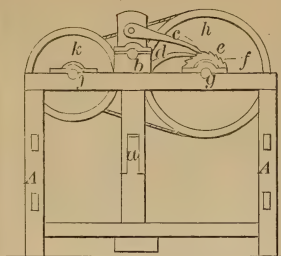
73629—H. Molby—Corn Harvester.



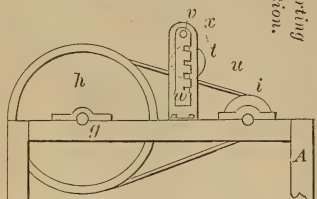
73626—N. B. Miller—Harrow.



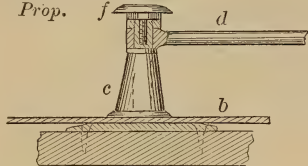
73630—T. W. Moore—Culinary Apparatus.



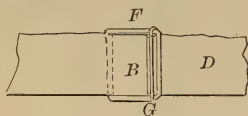
73631—D. Morrison—Converting
Reciprocating into Rotary Motion.



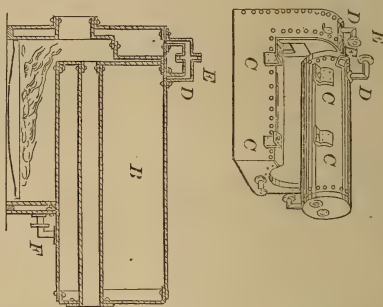
73632—J. F. Mullen—Carriage Top
Prop.



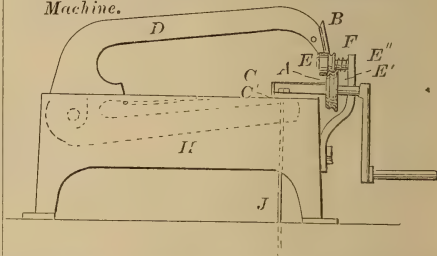
73633—H. Neumann—Buckle.



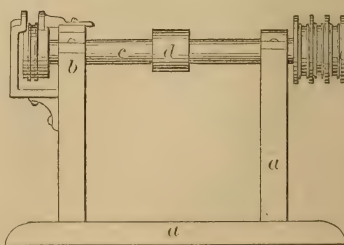
73634—A. W. Newell—Steam Generator.



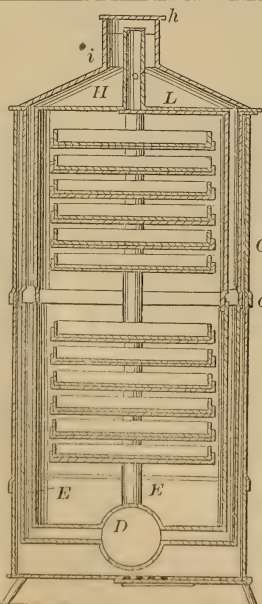
73635—H. J. Noyes—Tin Ware Seaming
Machine.

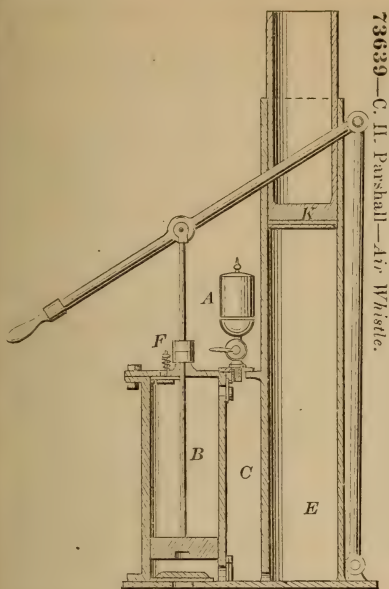


73636—C. W. Palmer—For Finishing the Edges
of Boot and Shoe Soles.



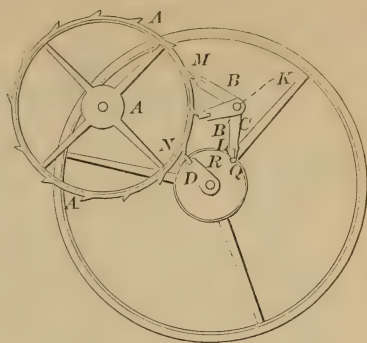
73637—L. A. Oellig—Dry House for Fruit, &c.



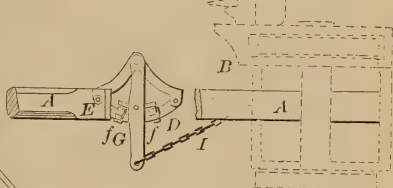


73639—C. H. Parshall—Air Whistle.

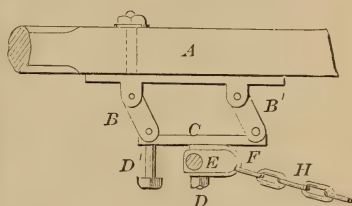
73646—O. H. Potter—Chronometer Escapement.



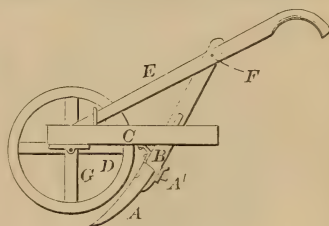
73641—H. W. Pell—Harvester.



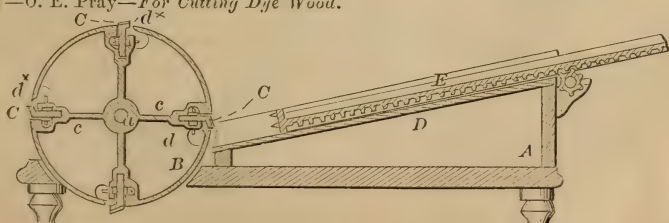
73642—H. W. Pell—Harvester.

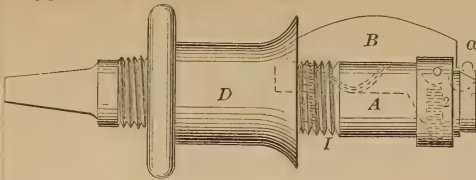
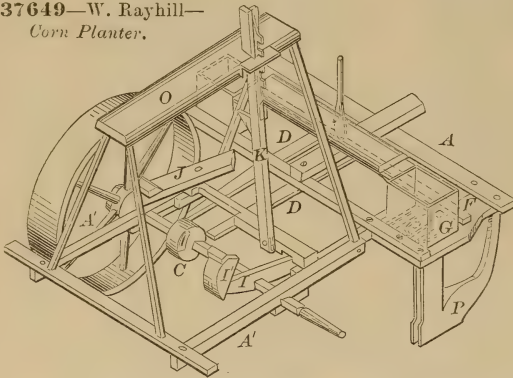
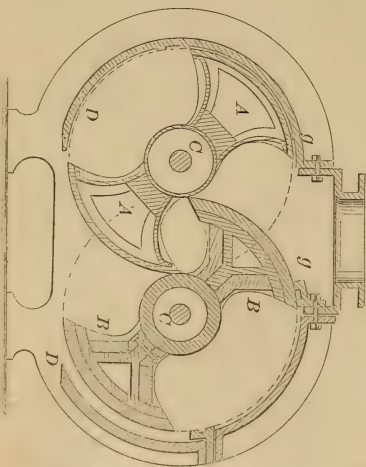
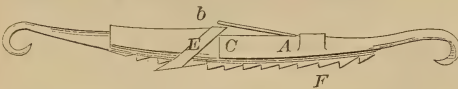
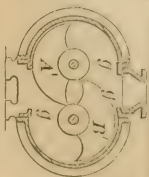
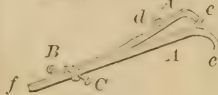
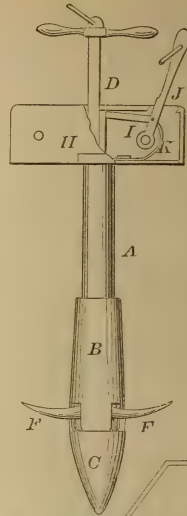
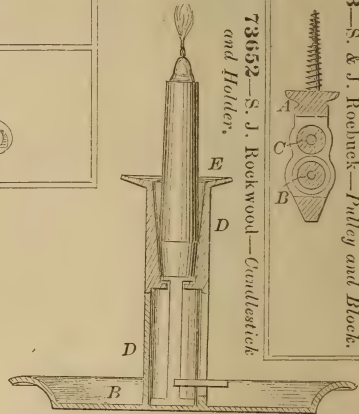
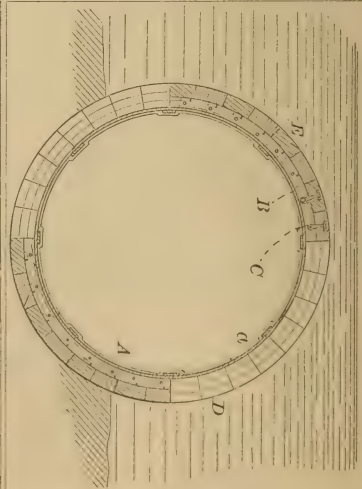


73644—D. Petticrew—Garden Plow.

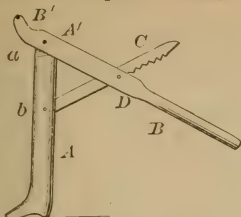


37647—O. E. Pray—For Cutting Dye Wood.

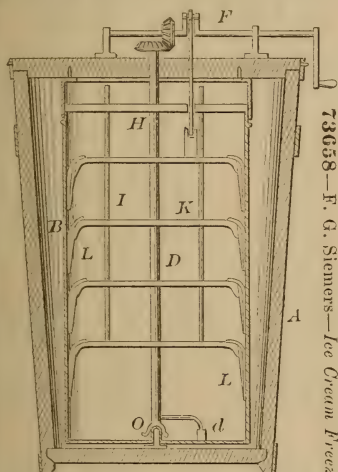
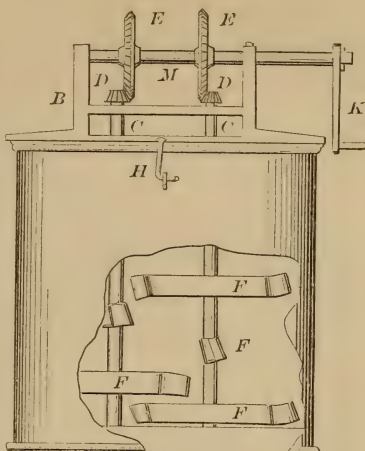


73648—A. J. Prescott—*Tool.*37649—W. Rayhill—*Corn Planter.*73651—W. A. Robinson—*Hames Fastener.*73654—P. H. & F. M. Roots—*Rotary Blower.*73655—A. Q. Ross—*Safety Pocket.*73650—E. Rhoades, Sr.—*Horse Hay Fork.*73653—S. & J. Roeluck—*Pulley and Block.*73652—S. J. Roeluck—*Cradlestick and Holder.*73656—T. F. Rowland—*Sub Aqueous Tube.*

73657—E. Shopbell—*Lifting Jack*

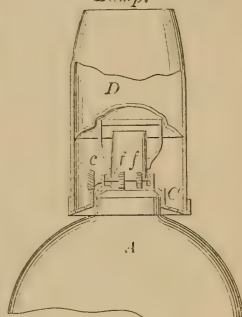


73659—I. J. Siler—*Churn*.

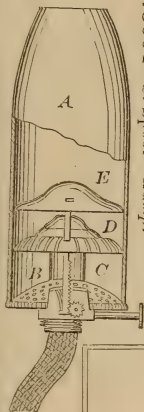


73658—F. G. Siemens—*Ice Cream Freezer*.

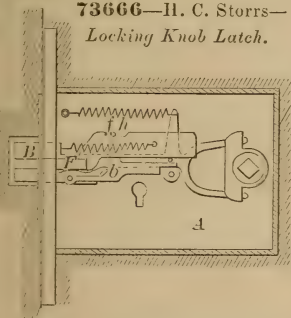
73663—C. F. Spencer—*Lamp*.



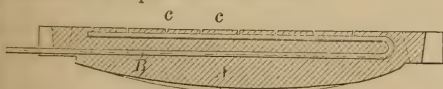
73664—S. Spoor—*Lamp*.



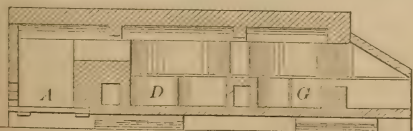
73666—H. C. Storrs—*Locking Knob Latch*.



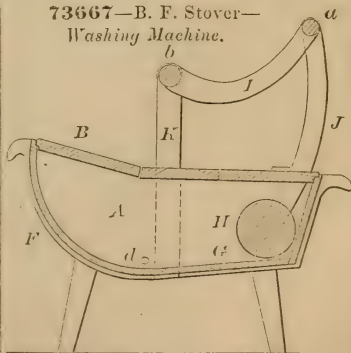
73662—H. Speeler—*Fire Grate*.



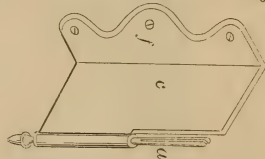
73665—W. Stevenson—*Puddling Furnace*.



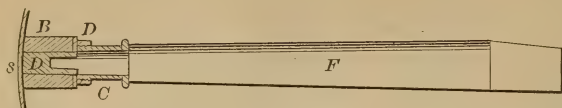
73667—B. F. Stover—*Washing Machine*.



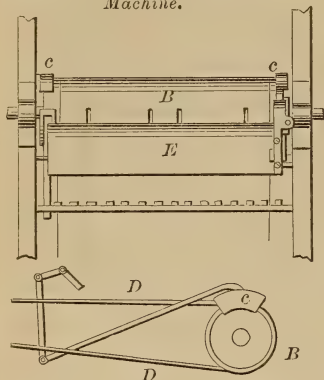
73661—J. Sowle—*Hinge*.



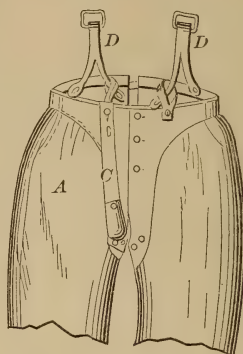
73668—E. Swain—Wheel Tightener.



73669—J. F. Tapley—Ruling Machine.



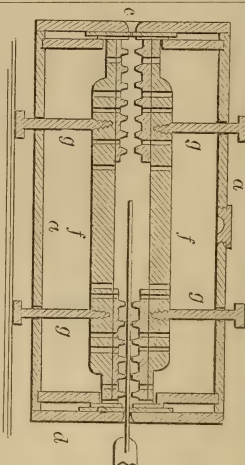
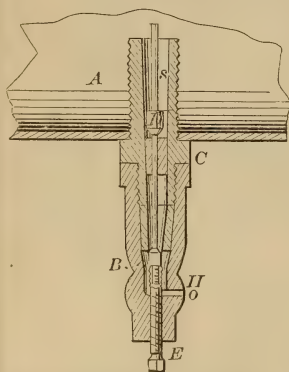
73671—Z. Taylor—Drawers Truss.



73670—W. J. Tate—Adjustable Spirit Level.



73672—W. G. Thomas—Boiler Gauge Cock.

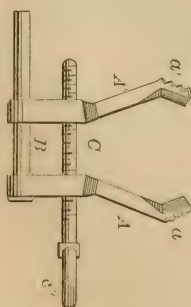


73673—J. F. Thompson—Angle Cleaner.

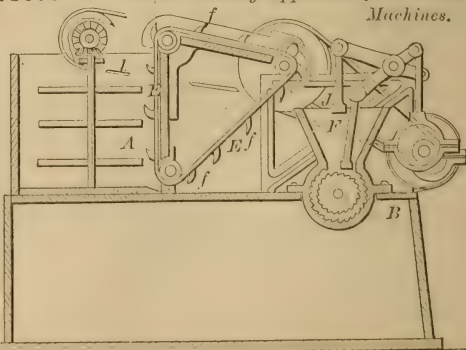
73674—T. R. Timby—Paper Cutter.



73675—J. Tipton—Hoof Expander.



73676—H. Turner—Feeding Apparatus for Flocking Machines.



73677—G. Twigg—Corkscrew.



Fig. 1

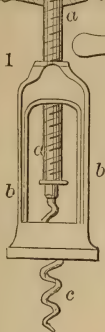


Fig. 14

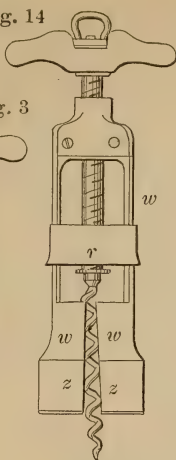


Fig. 3

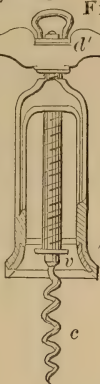


Fig. 6

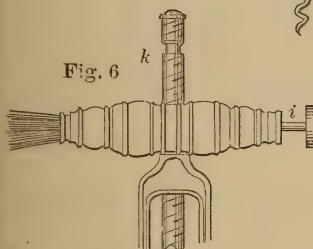
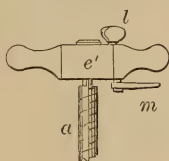
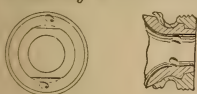


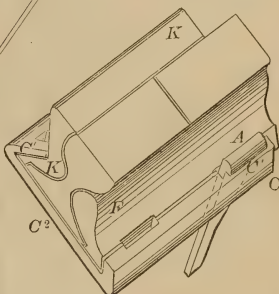
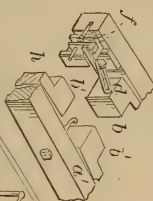
Fig. 8



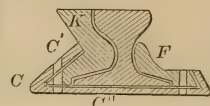
73680—E. Watts, Jr.—
Fastening Metallic Collars to
Bottles.



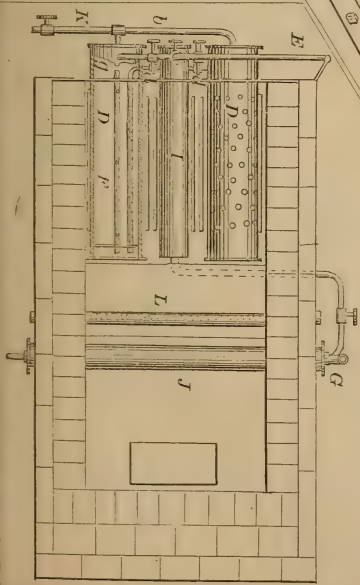
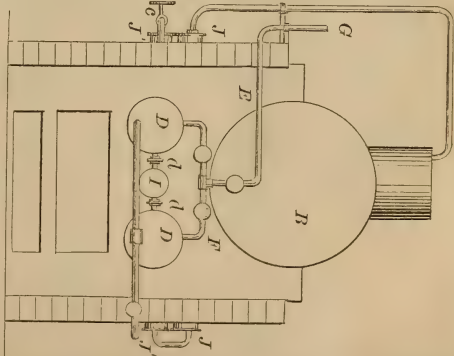
73681—W. Weller—
Car Coupling.



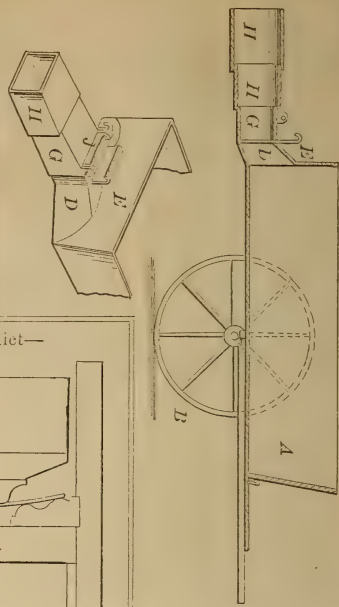
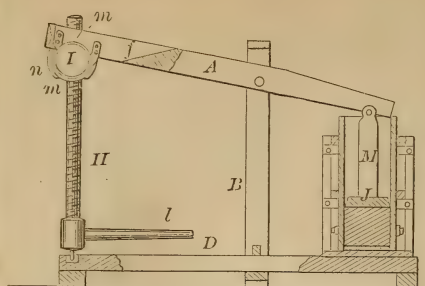
73679—J. E. Watkins—Railroad Rail
Clump.



73682—J. H. White—Hydro-Carbon Burner.

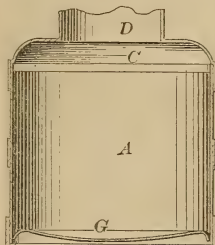


73683—P. Williams—Cotton Press.

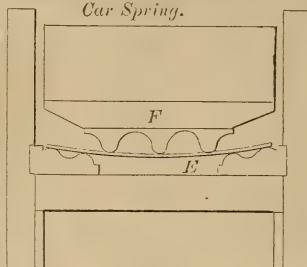


73684—J. H. Wood—Wagon for Unloading Coal.

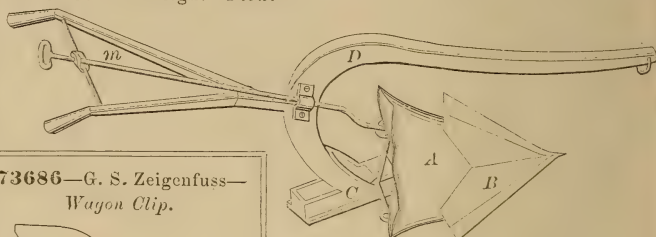
73687—E. Abbott—Milk Can.



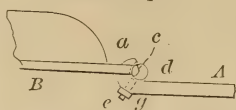
73690—E. U. Benedict—Car Spring.



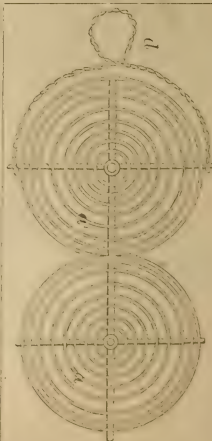
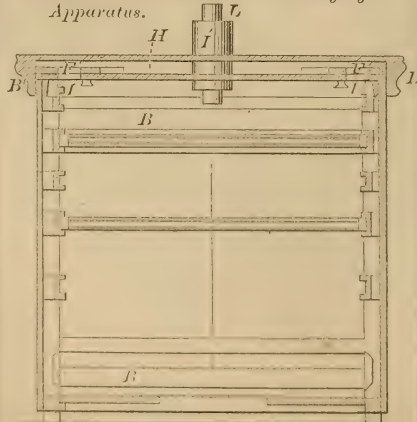
73685—A. Wright—Plow.



73686—G. S. Zeigenfuss—Wagon Clip.



73691—D. K. Boswell—Fruit Drying Apparatus.

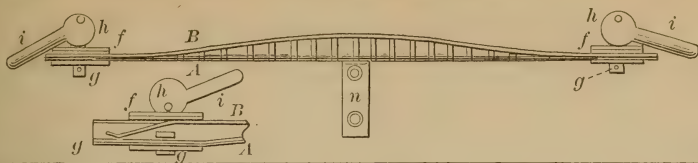


73692—F. Buckham—Reversible Drying Rack.

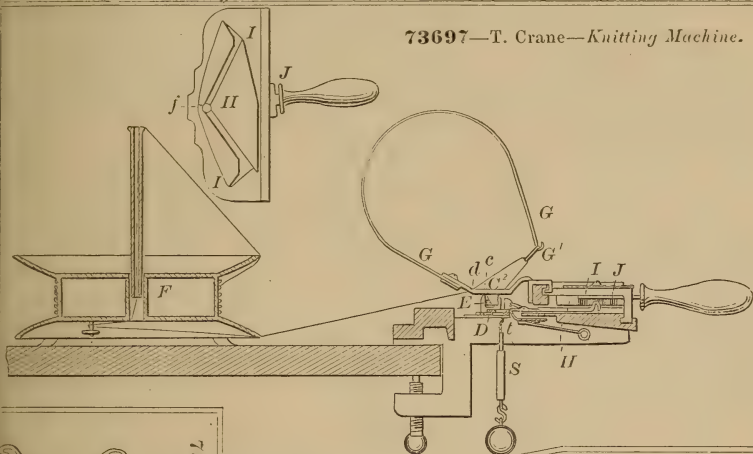
73688—H. Arnold—Well Tube.



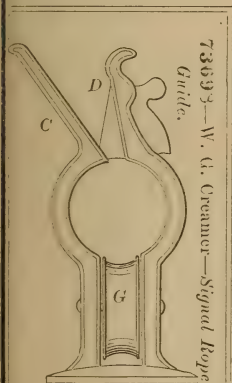
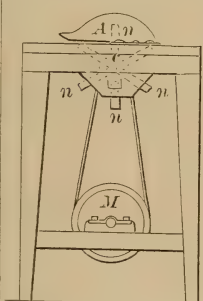
73693—Cilley & Spaulding—*For Moulding Paper Collars.*



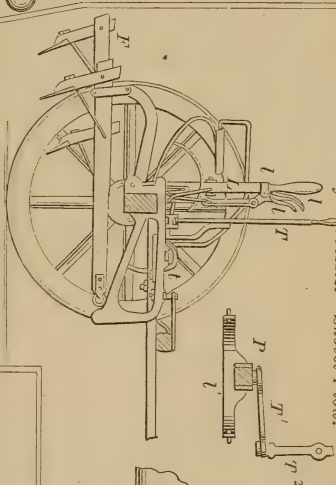
73697—T. Crane—*Knitting Machine.*



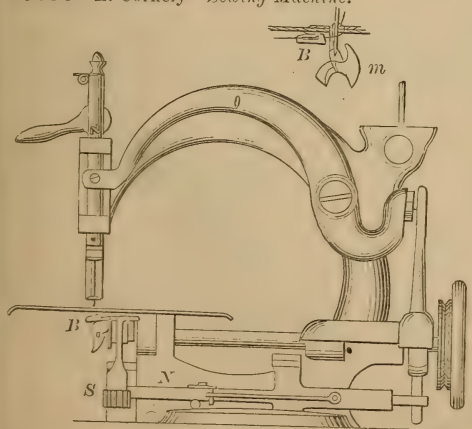
73693.—W. A. Creamer—*Signal Rope Guide.*

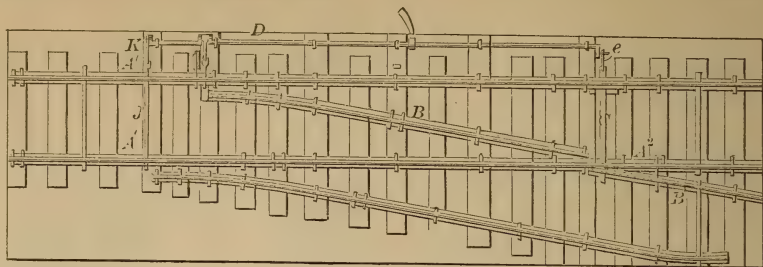
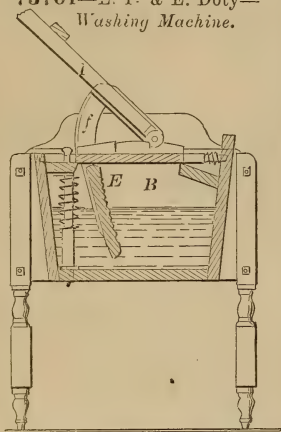
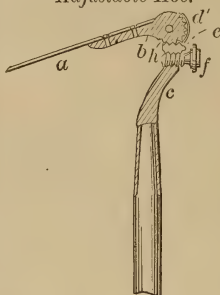
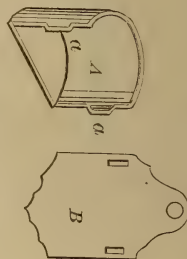
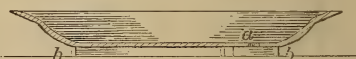
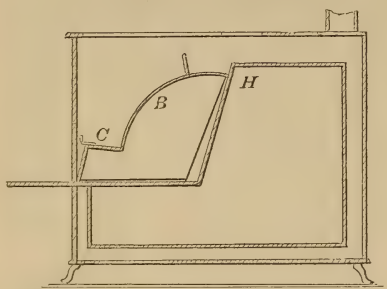
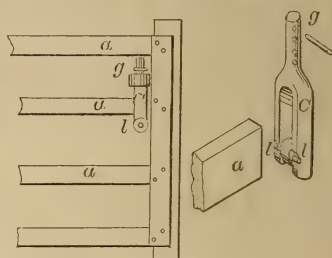
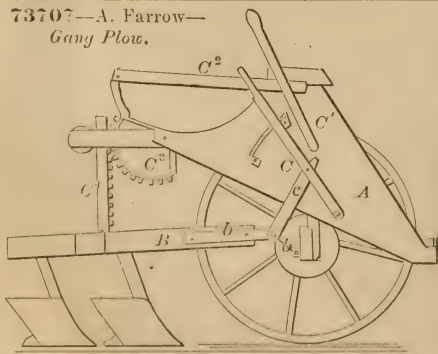
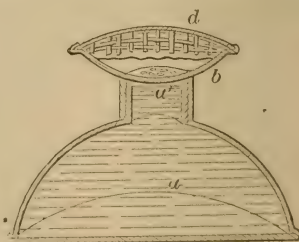
73695—Collins & Nixon—Rug
Cutting Machine.

73639—Donely & Cressler—Shovel Plow.

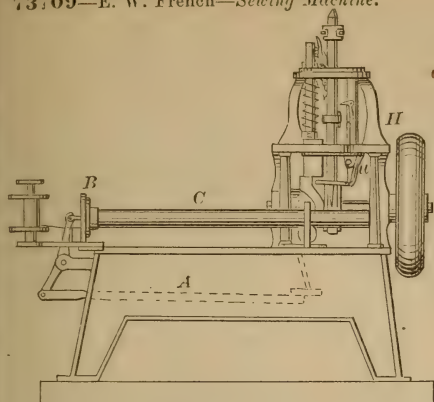


73696—E. Cornely—*Sewing Machine.*

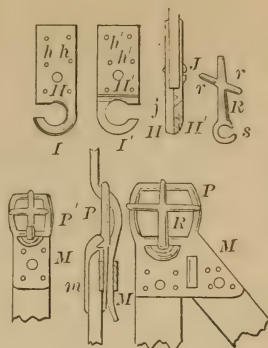


73700—M. H. Dooly—*Railway Switch.*73701—E. P. & E. Doty—*Washing Machine.*73702—T. Drake—*Adjustable Hoe.*73706—J. A. Everts—*Match Safe.*73703—R. G. Elder—*Baking Pan.*73705—L. Emmons—*Cooking Stove Grate.*73704—C. H. Embree—*Gate.*73707—A. Farrow—*Gang Plow.*73708—J. M. Flagg—*Stamp Moistener.*

73709—E. W. French—Sewing Machine.



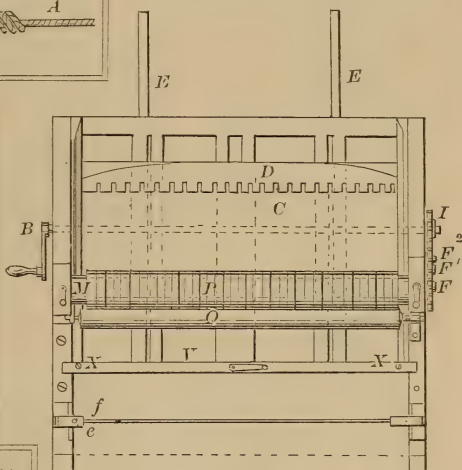
73711—Garrison & Stevens—Halter.



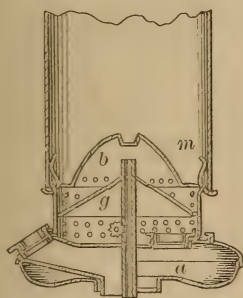
73713—T. Guyol—Metallic Cotton Bale Tie.



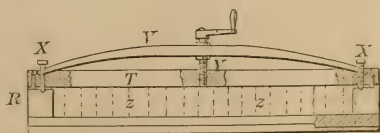
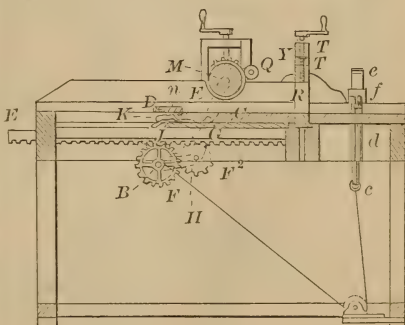
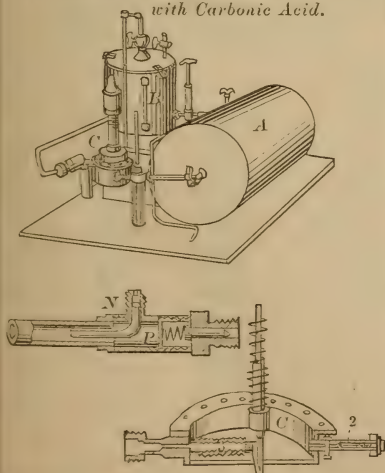
73714—J. Hadfield—For Cutting Soap.

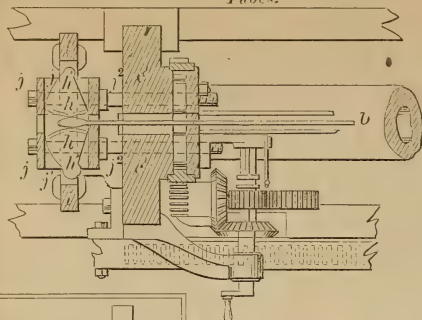
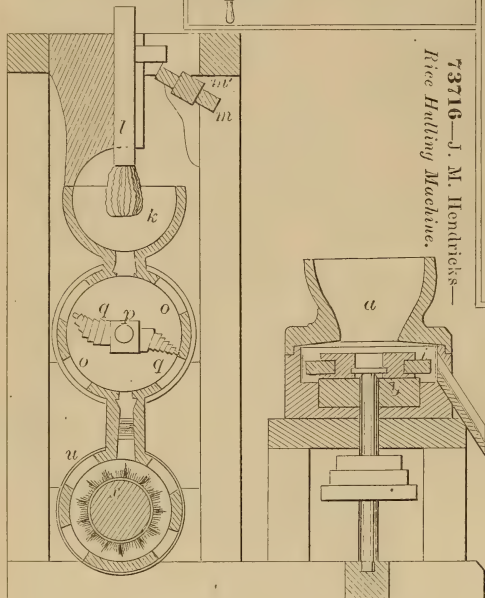
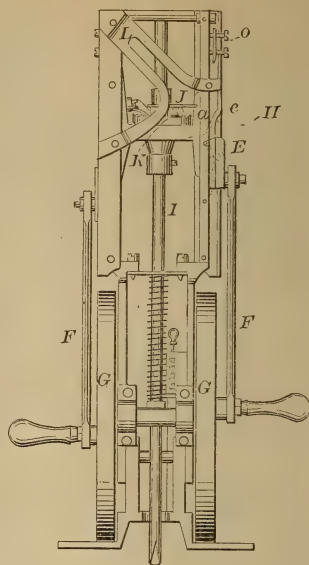
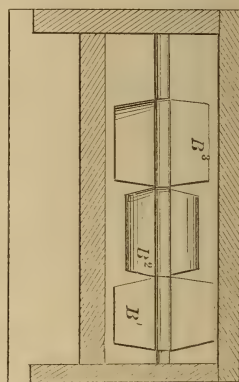
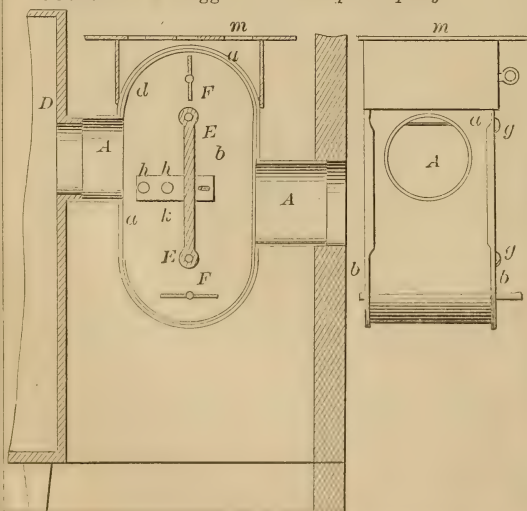
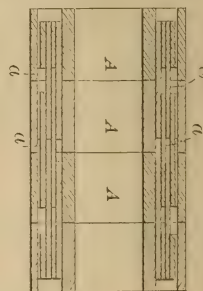


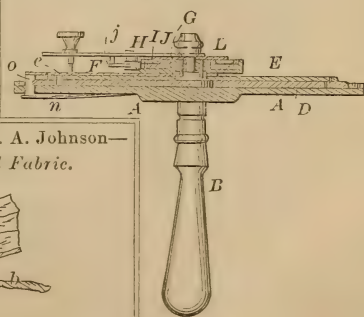
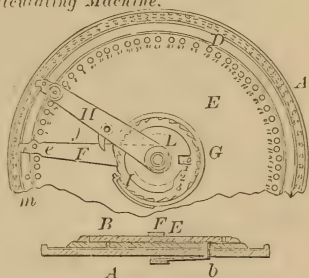
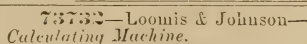
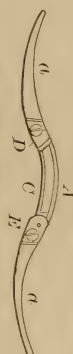
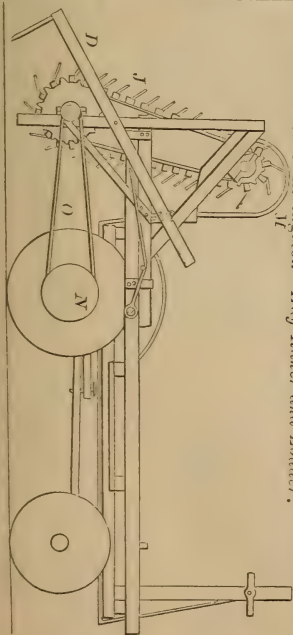
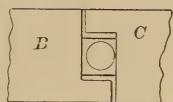
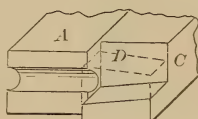
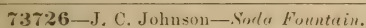
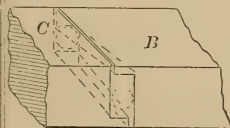
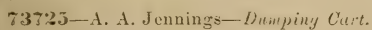
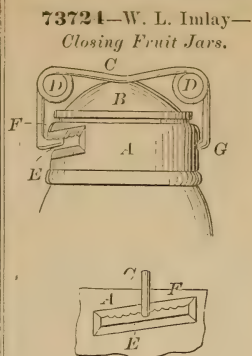
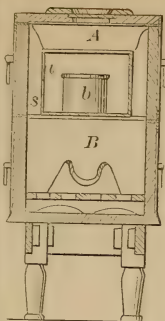
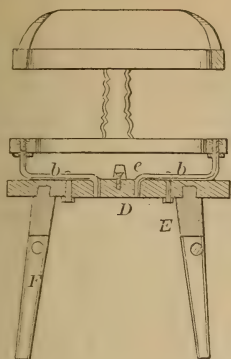
73710—J. A. Frey—Lamp.

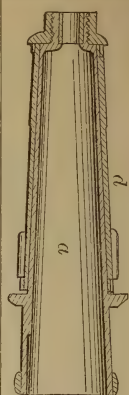
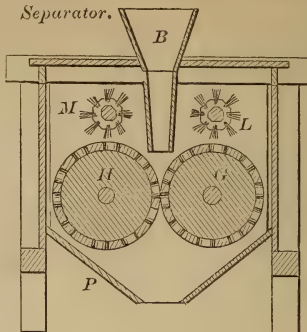
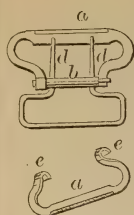
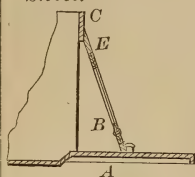
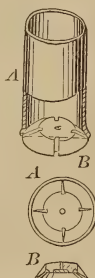
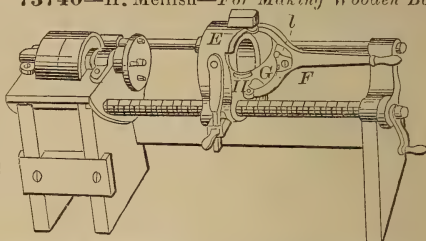
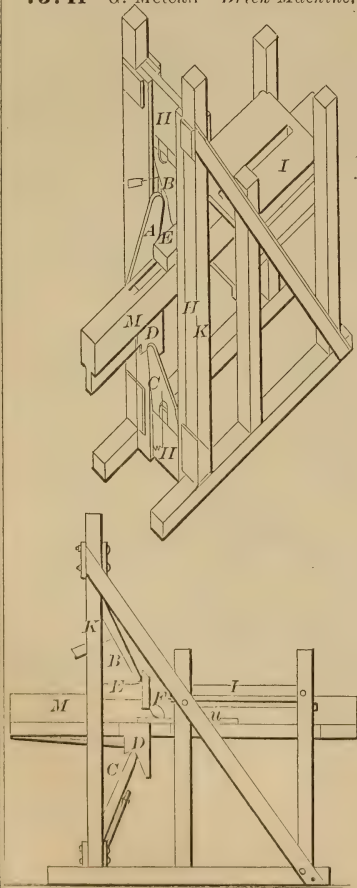
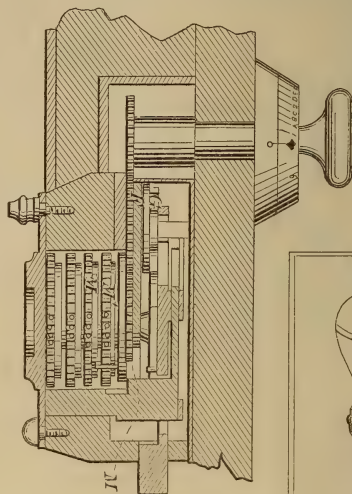


73712—R. Grant—For Charging Water with Carbonic Acid.

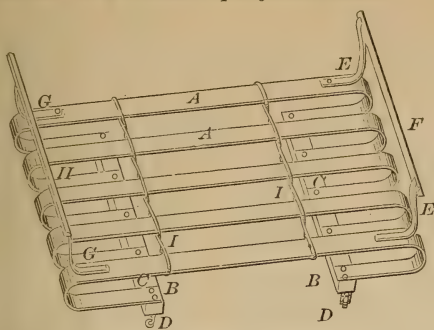


73715 G. P. Harding—*For Drawing Tapered Tubes.*73716—J. M. Hendricks—*Rice Hulling Machine.*73717—C. W. Hermance—*Stone Drilling Machine.*73719—A. Hitchcock—*Producing a Vibrating Steel in Organs.*73718—O. M. Higgins—*Stove Pipe Coupling.*73720—M. V. B. Howe—*Wood Bending Machine.*

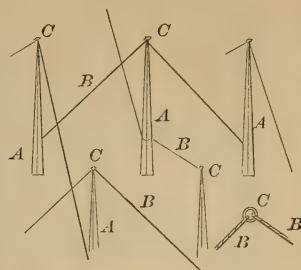


73738—R. M. McBrath—*Thimble Sheath*.73736—T. H. McCulloch—*Grain Separator*.73735—H. S. Magrath—*Button Fastening*.73734—F. W. Maes—*Buckle*.73737—W. L. McDowell—*Ash Pit Cover for Stoves*.73739—H. Moises, Jr.—*Priming Metallic Cartridges*.73740—H. Mellish—*For Making Wooden Bowls*.73741—G. Metcalf—*Brick Machine*.73742—L. W. Miller—*Permutation Lock*.73743—M. H. Monroe—*Potato Masher*.

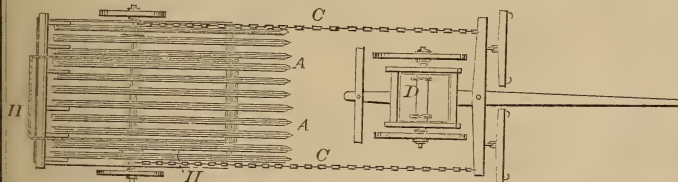
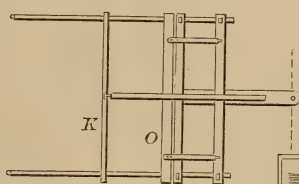
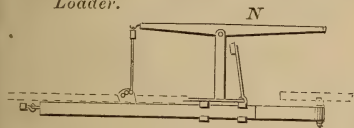
73744—A. W. Newell—Spring Bed Bottom.



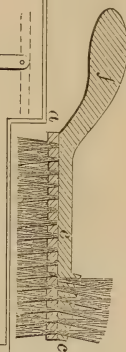
73750—Olendorf & Parshall—Poling Hops.



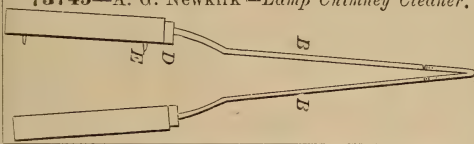
73747—W. T. Nichols—Hay Raker and Loader.



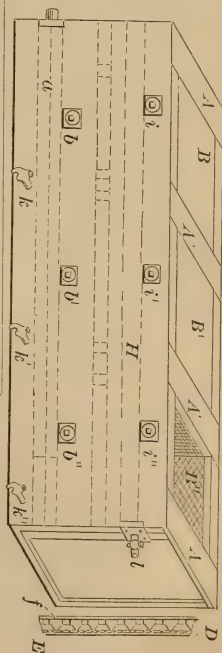
73746—H. E. Newton—Blacking Brush.



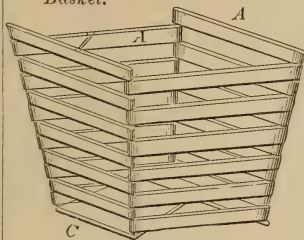
73745—A. G. Newkirk—Lamp Chimney Cleaner.



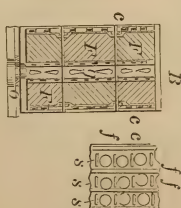
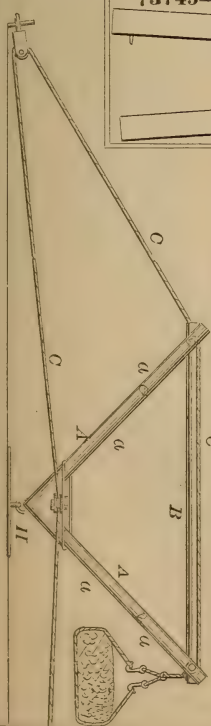
73751—G. T. Palmer—Filter.



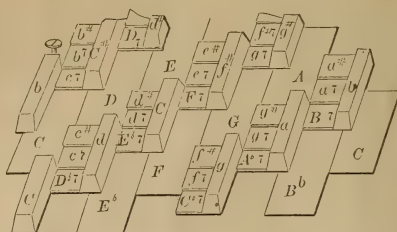
73749—A. M. Olds—Folding Basket.



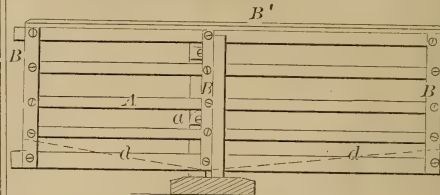
73748—W. T. Nichols—Hay Stocker.



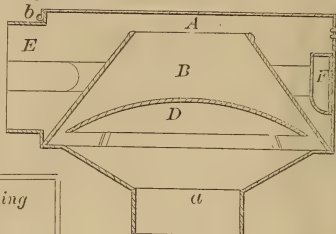
73753—H. W. Poole—Organ Key Board.



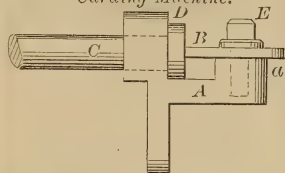
73761—A. Sheldon—Fence.



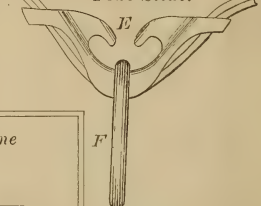
73762—A. F. Smith—Store Drum.



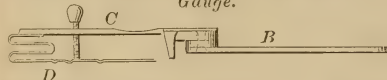
73760—J. C. Shaw—Condensing Carding Machine.



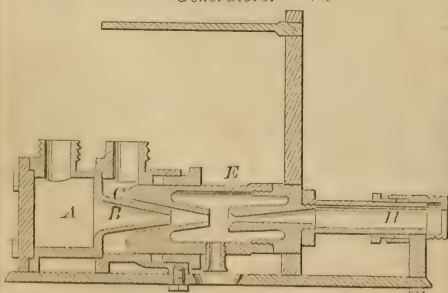
73754—G. Purple—Neck Yoke Slide.



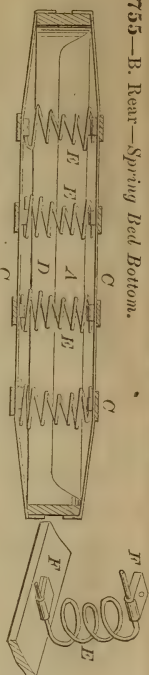
73759—T. S. Scranton—Sewing Machine Gauge.



73757—S. Rue, Jr.—Injector for Steam Generators.



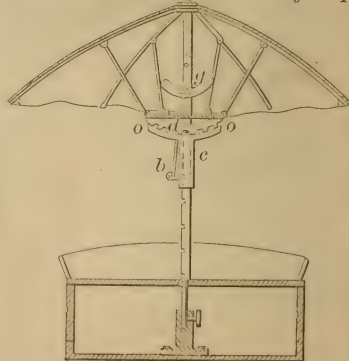
73755—B. Rear—Spring Bed Bottom.

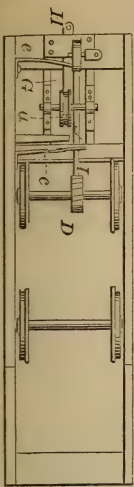


73758—Russell & Joline—Anchor.

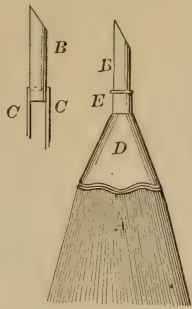


73763—Smith & Pike—Carriage Top.



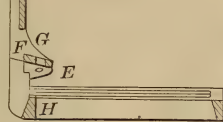


73764—J. Steger—Car Starting Apparatus.

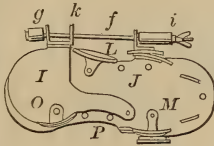
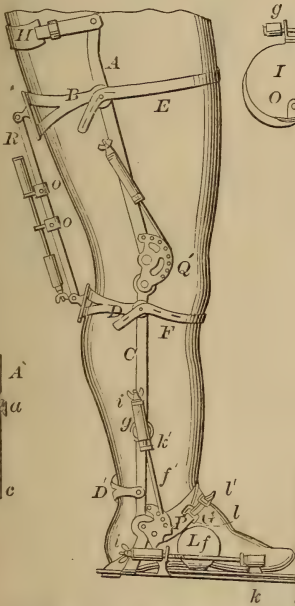
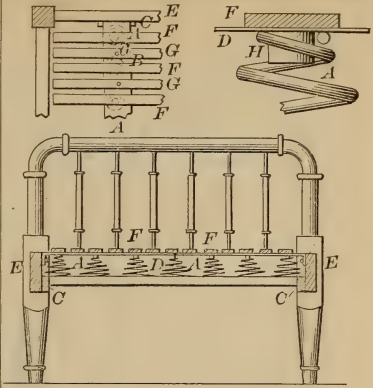


73769—N. E. Badgley—Broom.

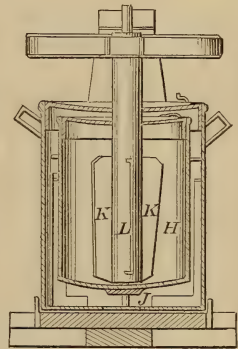
73767—J. H. Yocum—Grate.



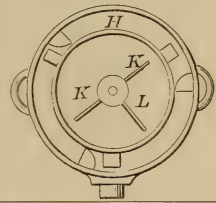
73770—A. M. Blake—Spring Bed Bottom.



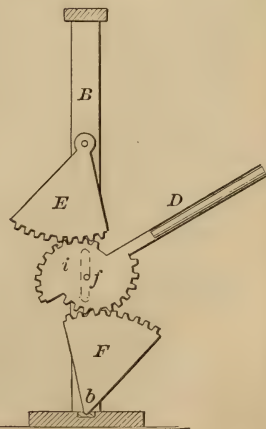
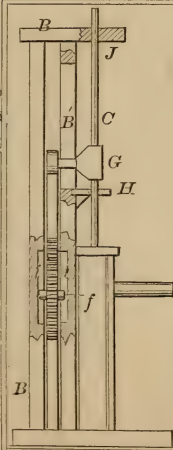
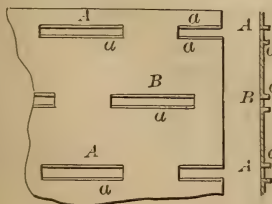
73768—H. R. Allen—For Straightening Club Feet.



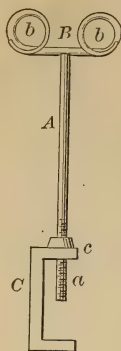
73766—G. C. Westover—Churn and Ice Cream Freezer.



73765—J. F. Walter, Jr.—Metallic Lathing.

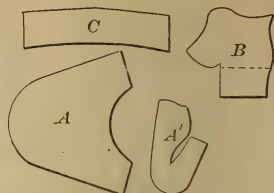
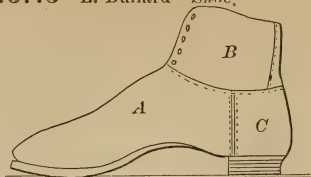
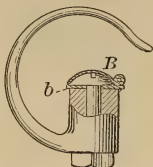
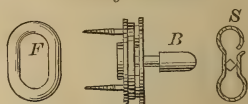


73771—E. Borton—For Operating Pumps.

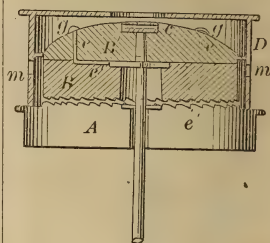
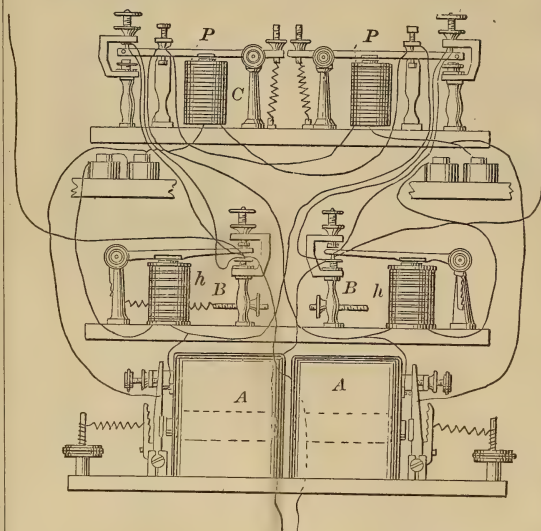


73772—C. A. & W. Bradford—Rein Holder.

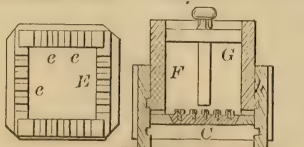
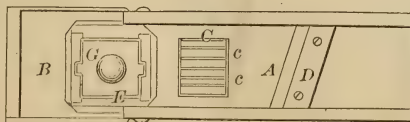
73773—L. Bullard—Shoe.

73777—J. S. Campbell—
Check Rein Hook.73778—S. P. Campbell—Button for
Carriage Holders.

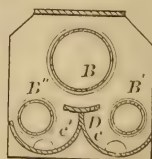
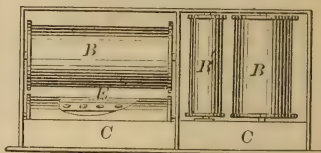
73774—J. H. Bunnell—Telegraph Repeater.

73776—J. Campbell—
Ventilating Mill Stones.

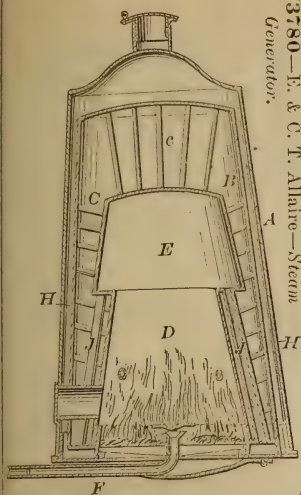
73775—J. Caldwell—Vegetable Cutter.



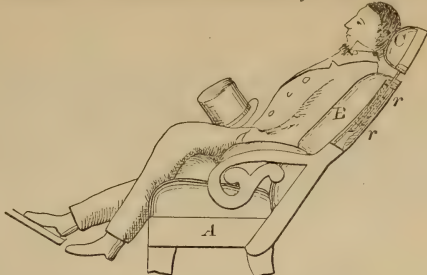
73779—B. F. Cauffman—Cane Mill.



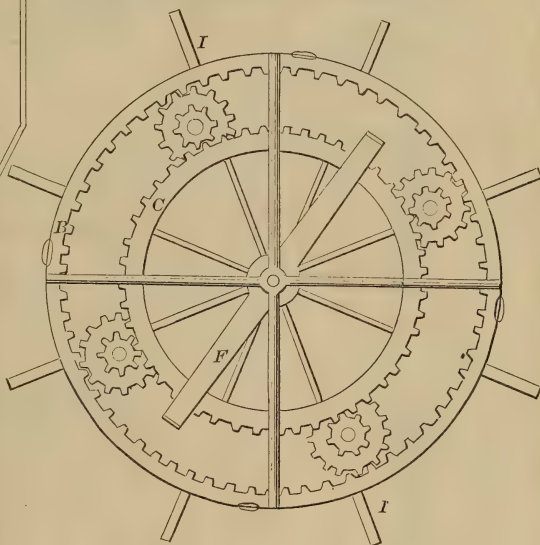
73780—E. & C. T. Allaire—Steam
Generator.



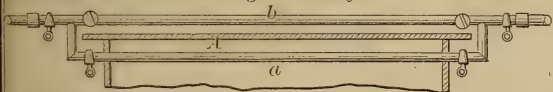
73782—J. R. Chiles—Head Rest for Seats.



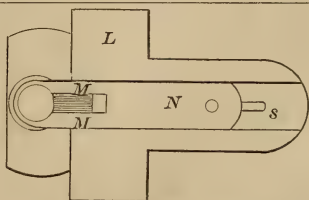
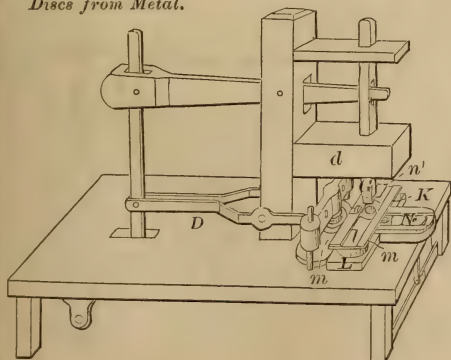
73783—R. Cromelien—Paddle Wheel.



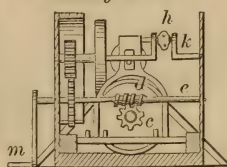
73781—R. A. Chesebrough—Heating Railroad Cars.



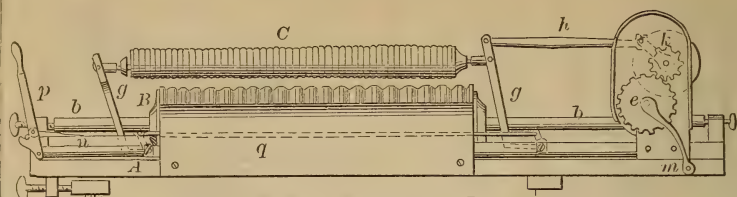
73784—C. Diedrichs—Punching and Raising
Discs from Metal.



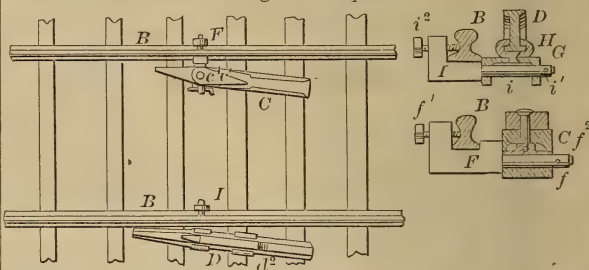
73785—W. Eberhard—
Washing Machine.



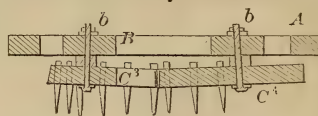
73785—Continued.



73789—Fisher & Cumming—Car Replacer.



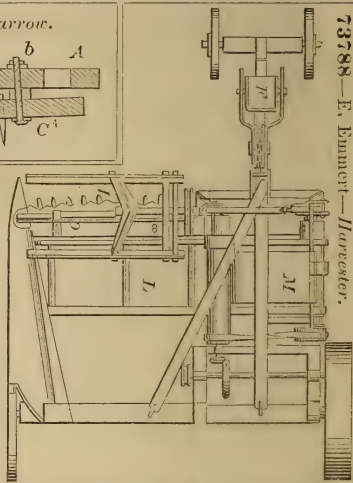
73792—E. Forney—Harrow.



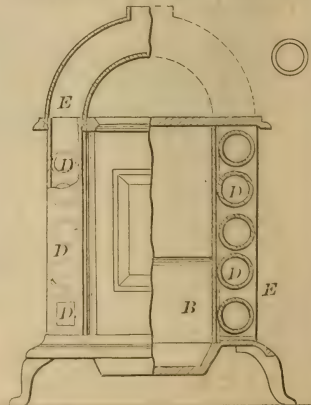
73791—A. C. Fletcher—Rule Fastener.



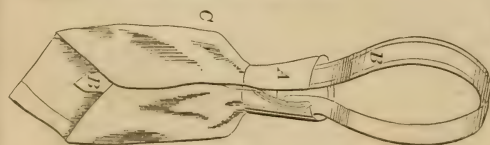
73788—E. Emmert—Harvester.



73793—T. J. Frazier—Store.



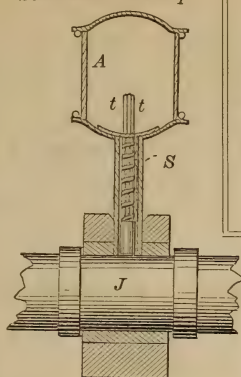
73790—Fisk & Flagg—Neck Tie.



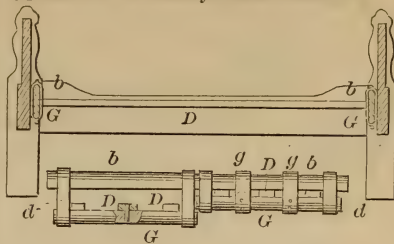
73794—G. W. Gintl—Tobacco Bag.



73795—Gerdom & Schindler—Oil Cup.



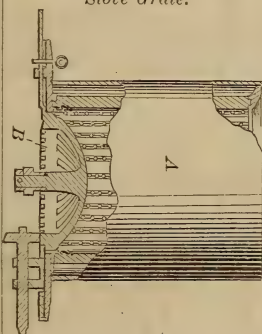
73799—F. C. Gridley—Bed Bottom.



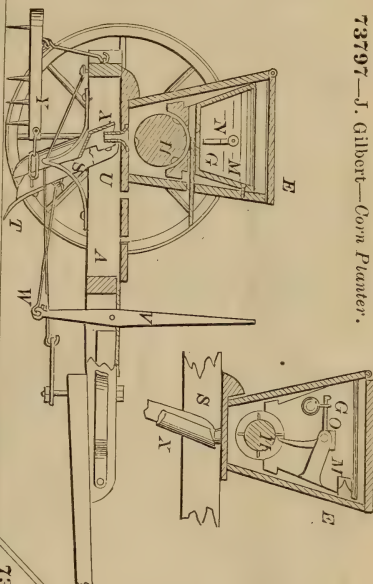
73798—J. Gleason—Soldering Iron.



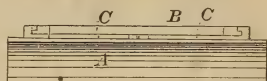
73800—J. W. Griswold—Store Gate.



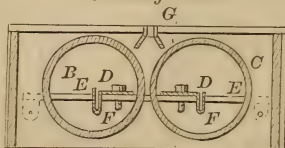
73797—J. Gilbert—Corn Planter.



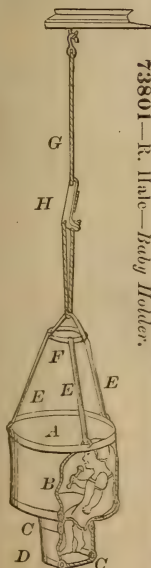
73796—E. F. Gilbert—Screen Attachment for Wash Stands.



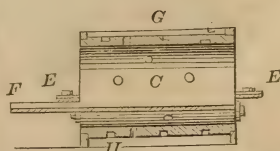
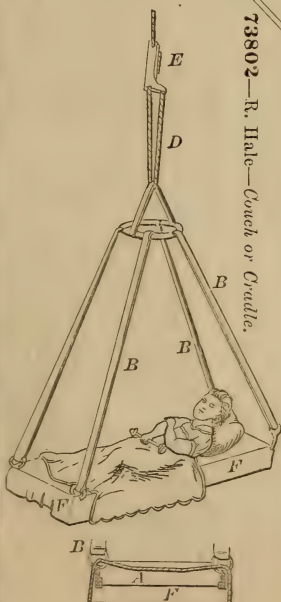
73803—Hancock & Leaman—For Cleaning Grain.

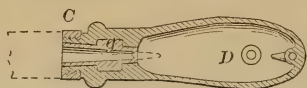
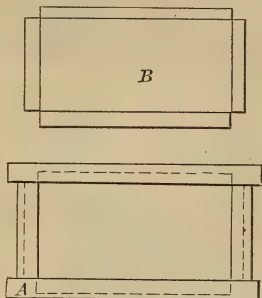
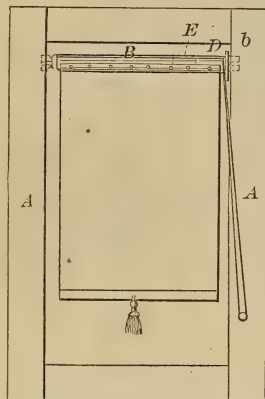
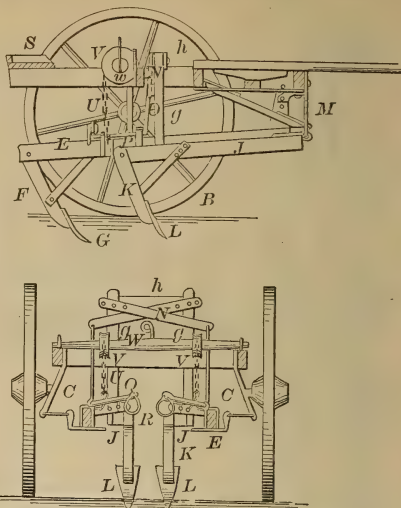
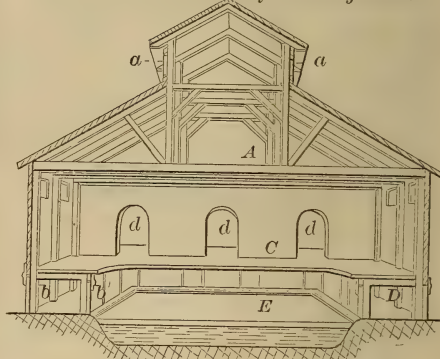
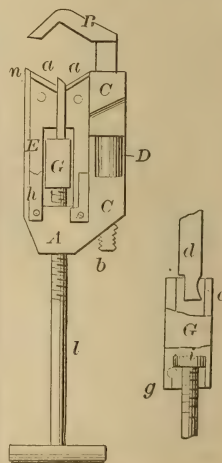
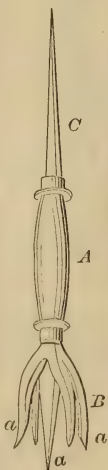
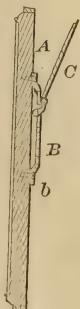
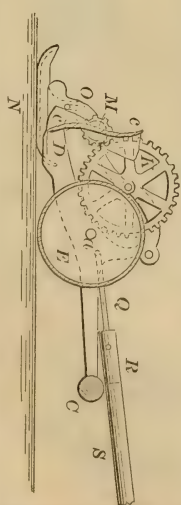


73801—R. Hale—Baby Holders.

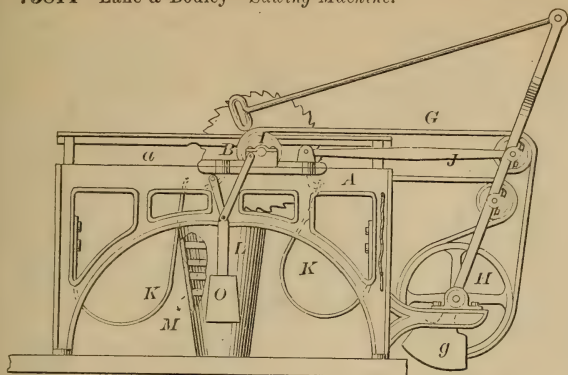


73802—R. Hale—Couch or Cradle.

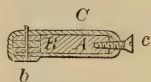
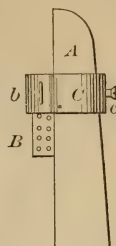


73804—J. Hatton—*Metallic Handle.*73810—J. L. Inskeep—*Sugar Mould.*73811—C. R. Jenkins—*Curtain Fixture.*73805—J. T. Herndon—*Cultivator.*73806—I. H. A. Hervey—*Skating Rink.*73813—G. B. Kirk—*Pipe and Bolt Cutter.*73809—S. G. Hoyt—*Ice Pick.*73808—L. L. Hodges—*Picture Frame Supporter.*73807—A. M. Hills—*Laurel Mower.*

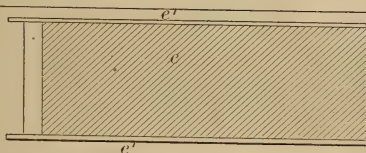
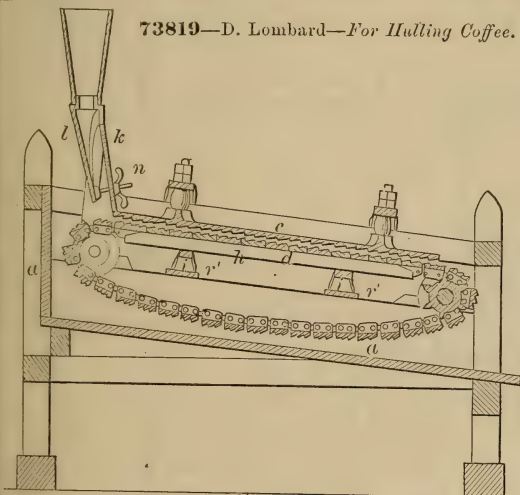
73814—Lane & Bodley—Sawing Machine.



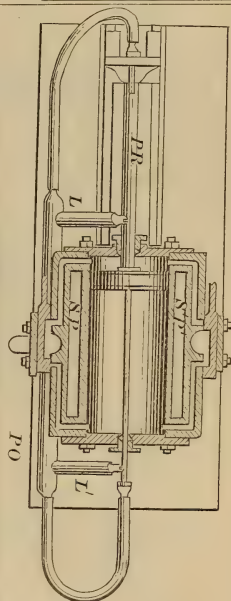
73818—R. Lench—Picker for Looms.



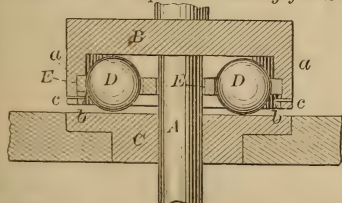
73819—D. Lombard—For Hulling Coffee.



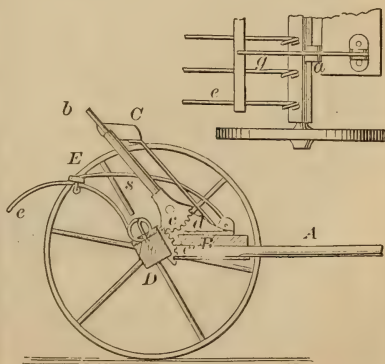
73816—W. H. Lambach—Gas Engine.



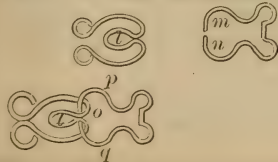
73815—J. F. Laplace—Bearing for Shafts.



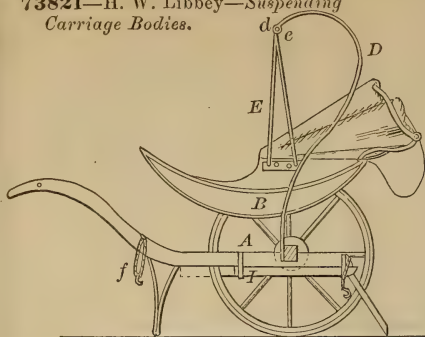
73820—C. O. Lucc—Horse Rake.



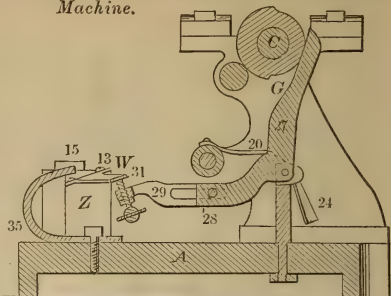
73817—W. Law—Hooks and Eyes.



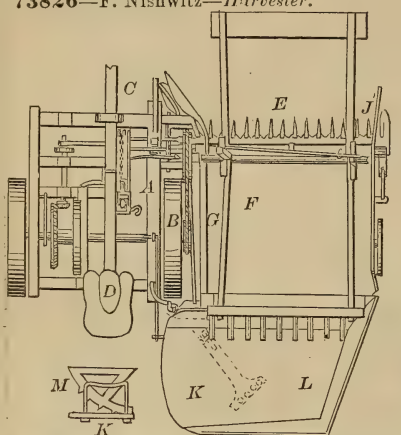
73821—H. W. Libbey—*Suspending Carriage Bodies.*



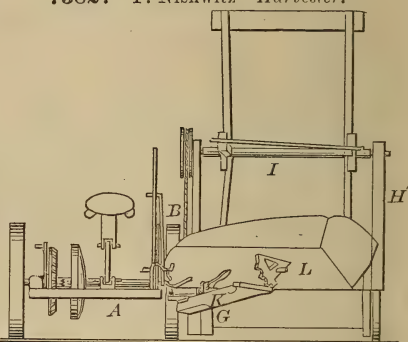
73824—J. B. Mignault—*File Cutting Machine.*



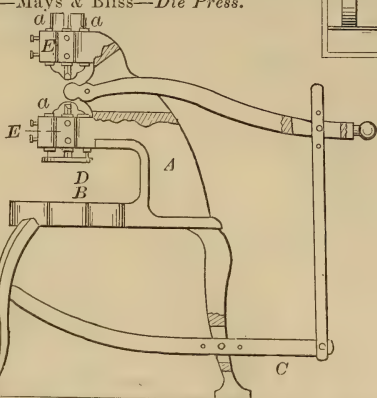
73826—F. Nishwitz—*Harvester.*



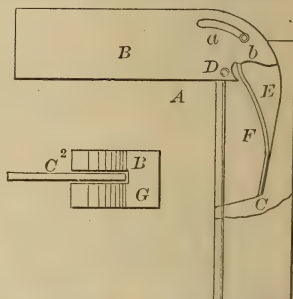
73827—F. Nishwitz—*Harvester.*



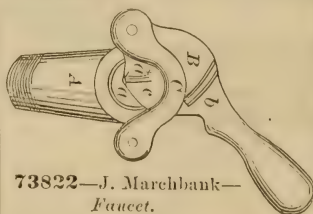
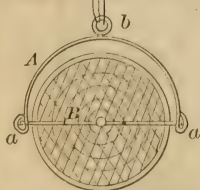
73823—Mays & Bliss—*Die Press.*



73828—H. L. Ogden—*Try Square.*

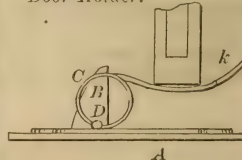


73825—F. W. Myrick—*Thread and Yarn Holder.*

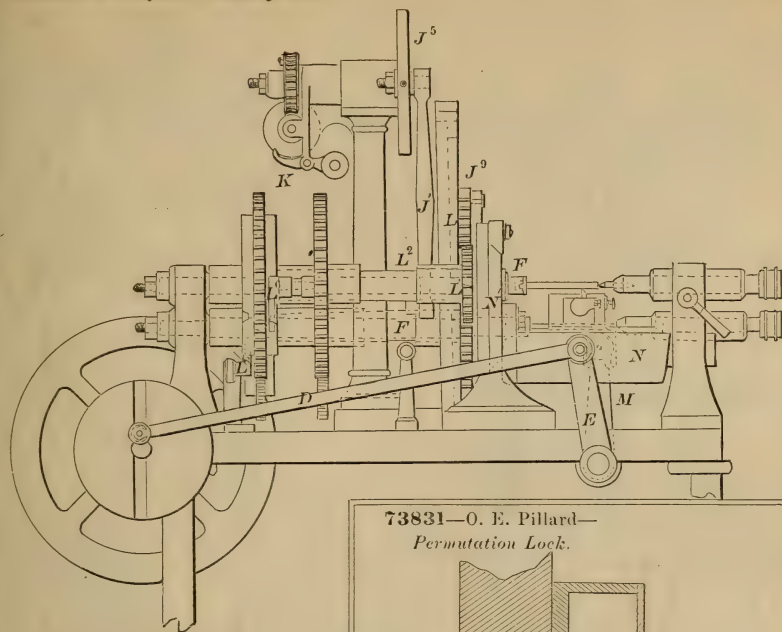


73822—J. Marchbank—*Faucet.*

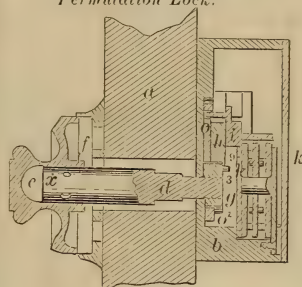
73829—J. B. Okey—*Spring Door Holder.*



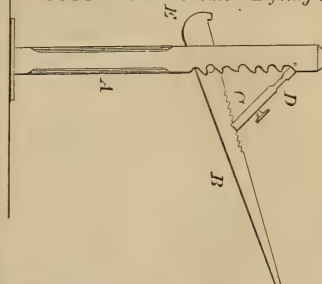
73830—W. Payton—Turning Lathe.



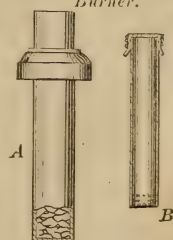
73831—O. E. Pillard—
Permutation Lock.



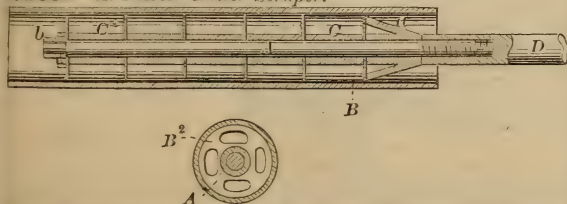
73833—L. B. Prindle—Lifting Jack.

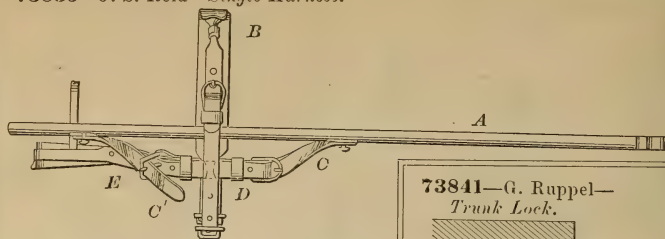
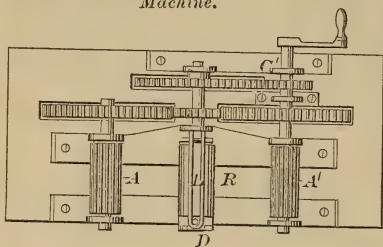
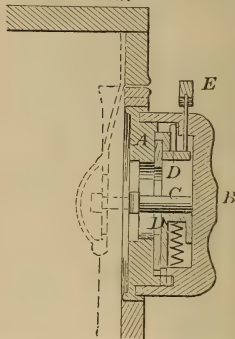
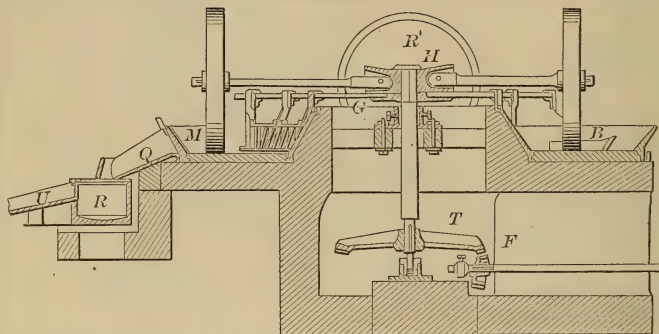
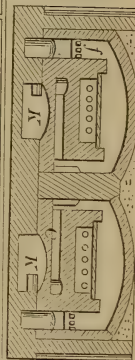
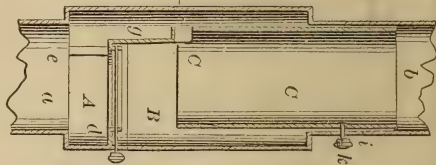
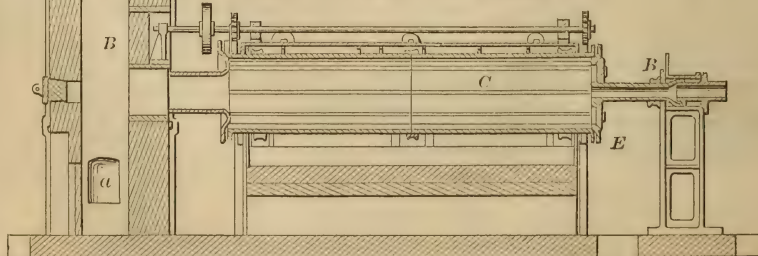


73834—S. C. Pruden—
Burner.

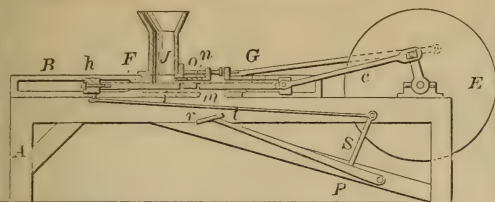


73832—A. Poirel—Boiler Scraper.

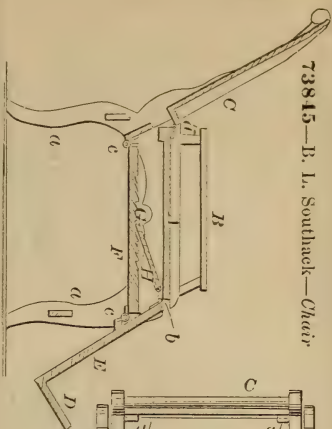


73835—J. S. Reid—*Single Harness.*73837—Richardson & Müller—*Bending Machine.*73841—G. Ruppel—*Trunk Lock.*73839—L. E. Rivot—*For Amalgamating Gold and Silver Ores.*73838—L. E. Rivot—*For Treating Ores.*73842—S. B. Sill—*Heat Radiator.*73840—L. E. Rivot—*For Treating Ores.*

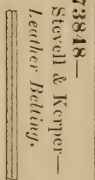
73843—J. Simpson—Brick Machine.



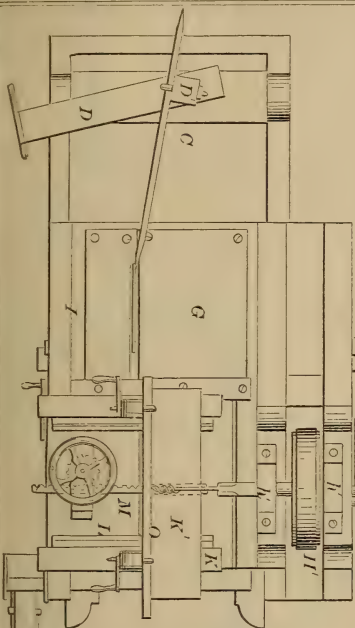
73815—B. L. Southack—Chair



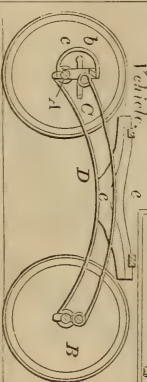
73818—Stevell & Koper—Leather Belting.



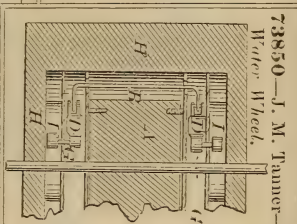
73841—J. A. Snyder—For Mortising Posts and Shearpening Ricks.



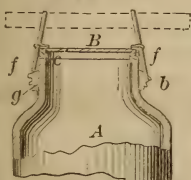
73819—A. Stricker—Vehicle



73850—J. M. Tanner—Water Wheel.



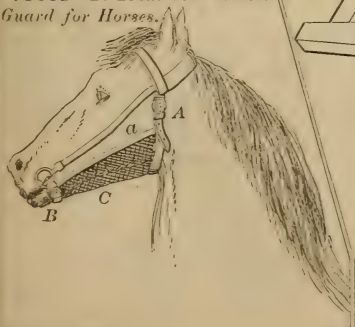
73846—C. F. Spencer—Fruit Jar



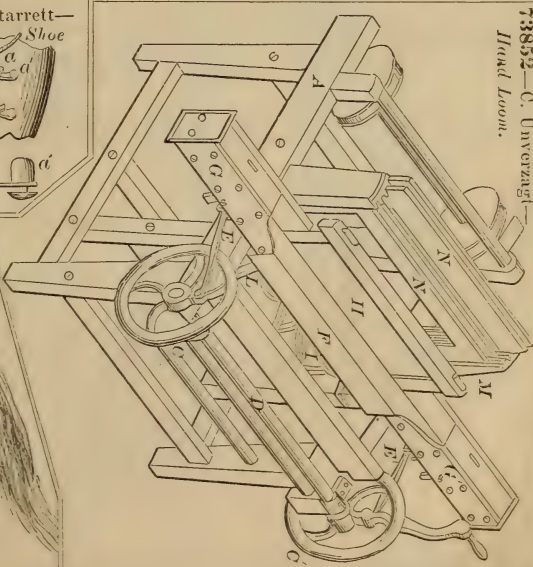
73847—L. S. Starrett—Shoe



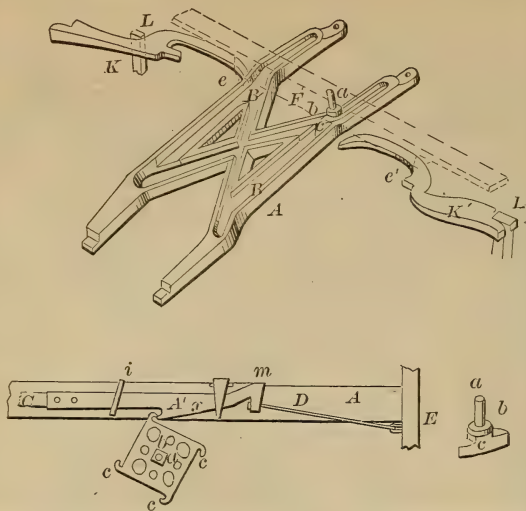
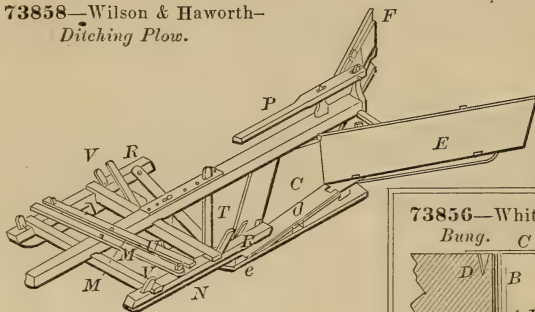
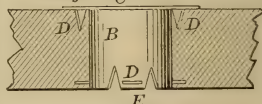
73851—B. Treadwell—Insect Guard for Horses.



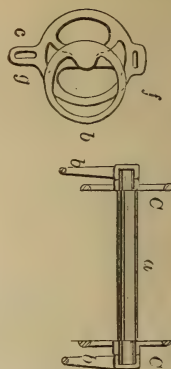
73852—C. Unverzagt—Hand Loom.



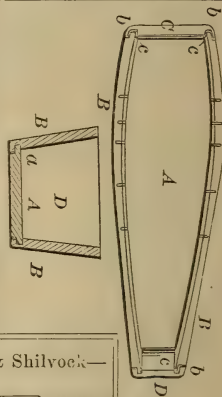
73852—Continued.

73858—Wilson & Haworth—
Ditching Plow.73856—White & Shilcock—
Bung.

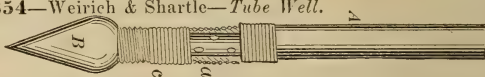
73853—G. Webb—Brillie Bit.



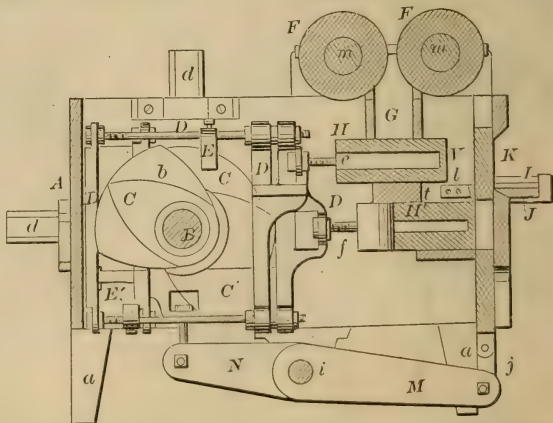
73857—J. C. Williams—Coffin.



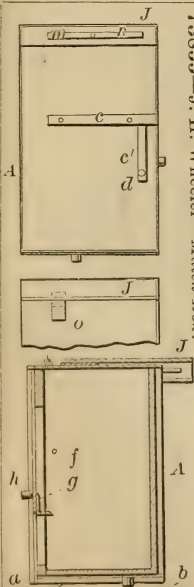
73854—Weirich & Shartle—Tube Well.



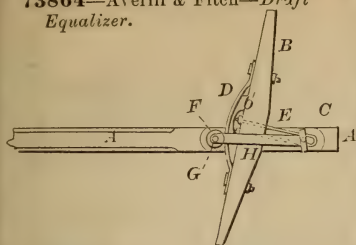
73863—E. F. Andrews—Brick Machine.



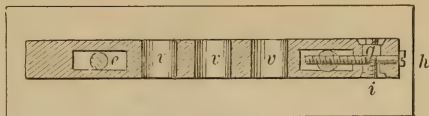
73855—J. H. Wheeler—Match Box.



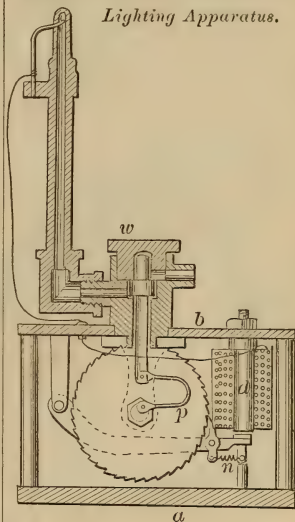
73864—Averill & Fitch—*Draft Equalizer.*



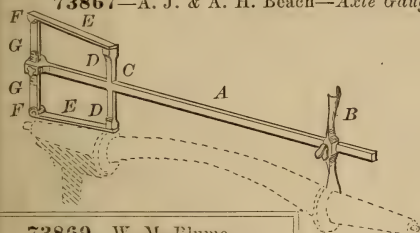
73866—J. Bachelder—*Carding Engine Guide.*



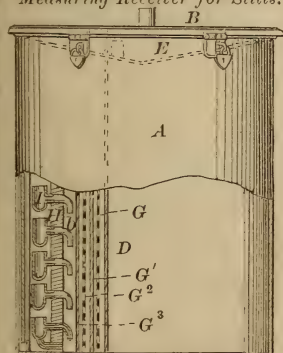
73868—F. Bean—*Electric Gas Lighting Apparatus.*



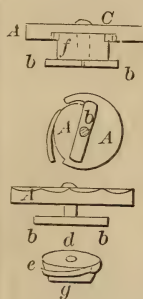
73867—A. J. & A. H. Beach—*Axle Gauge.*



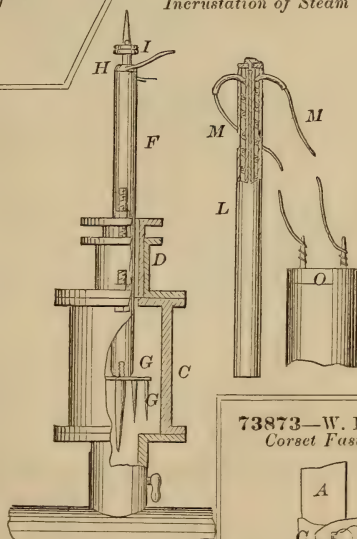
73869—W. M. Blume—*Measuring Receiver for Stills.*



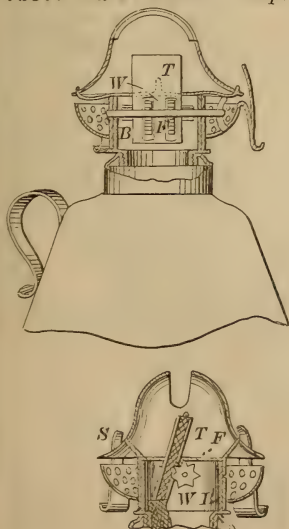
73871—F. M. Bugbee—*Button.*



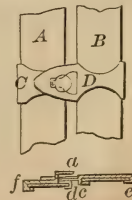
73872—S. G. Cabell—*Preventing Incrustation of Steam Boilers.*

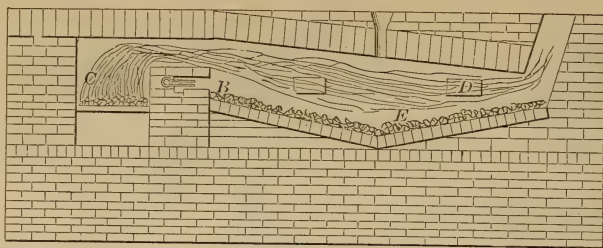
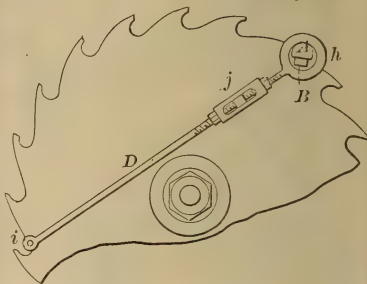
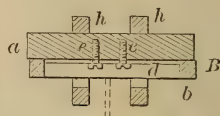
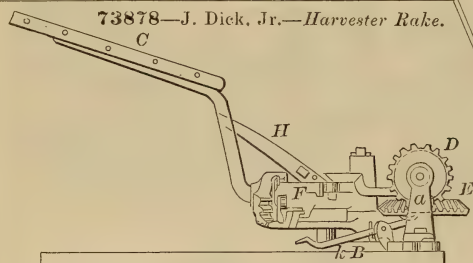
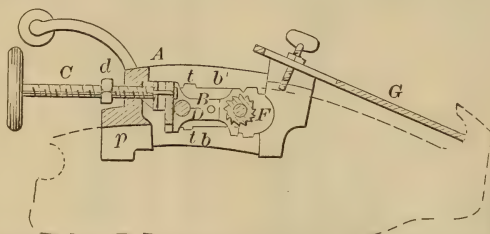
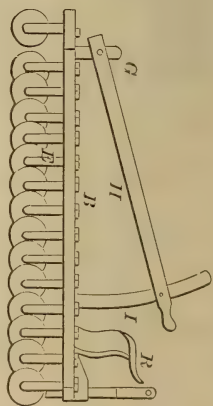
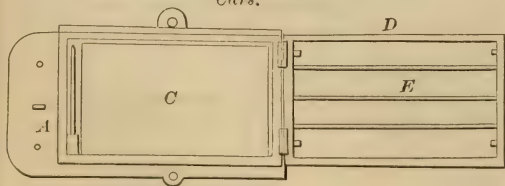
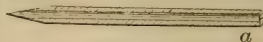
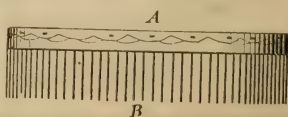


73870—A. W. Browne—*Lamp.*

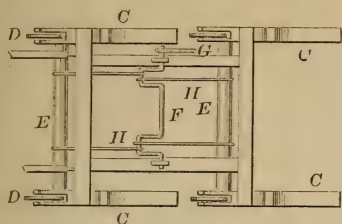


73873—W. B. Cargill—*Corset Fastening.*

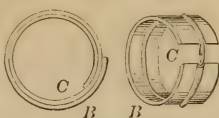


73874—C. B. Carpenter—*Reducing Lead Ore.*73877—J. F. Cranston—*Priming Metallic Cartridges.*73875—W. Clark—*Check and Harness Rein.*73879—H. Disston—*For Setting Saws.*73878—J. Dick, Jr.—*Harvester Rake.*73880—T. S. Disston—*Saw Gumming Machine.*73876—E. Crane—*For Scavenging the Soil.*73881—S. W. Downey—*Address Case for Railroad Cars.*73883—E. Faber—*Lead Pencil.*73884—C. Foster—*Comb.*

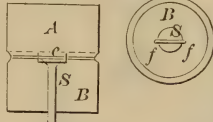
73885—D. C. Frazeur—Sleigh and Sled.



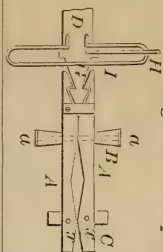
73887—N. W. Green—Connecting Stove Pipes.



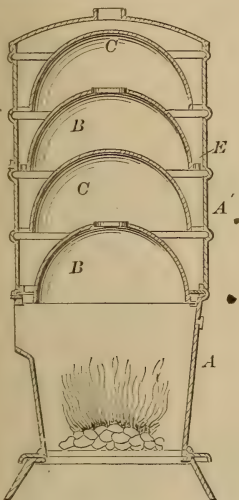
73888—H. Hammond—Die for Forming Slots in Screws.



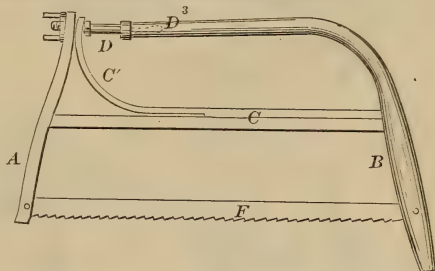
73889—D. Harger—Car Coupling.



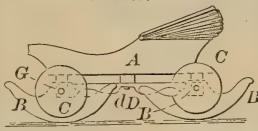
73886—J. C. Gaston—Drum Attachment for Stoves.



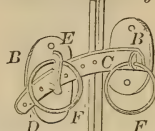
73890—J. Havens—Wood Saw Frame.



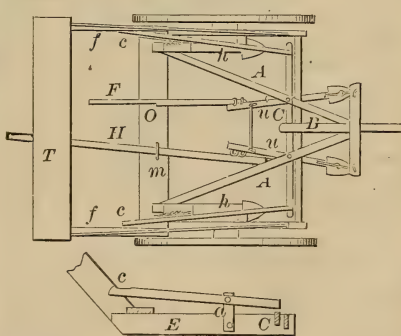
73892—L. & A. R. Hill—Cradle.



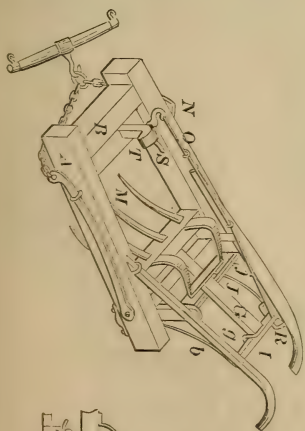
73893—G. G. Hickman—Shutter Fastening.



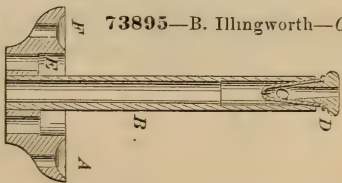
73891—C. Heft—Cultivator.



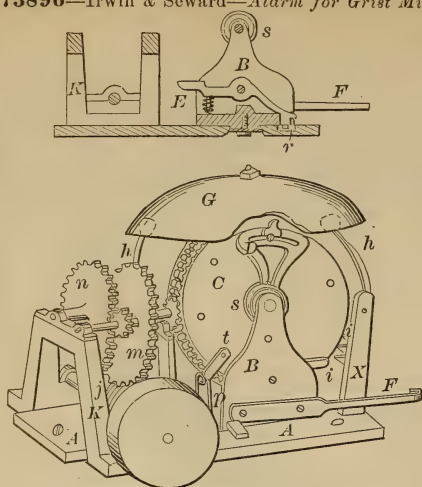
73894—U. Hummer—Manure Drag.



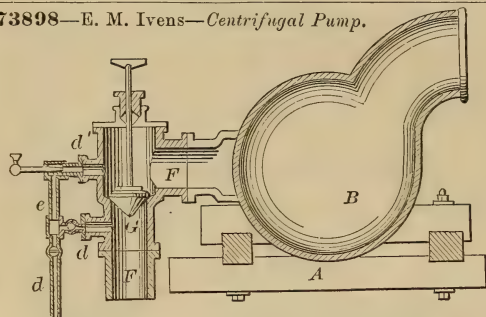
73895—B. Illingworth—Churn.



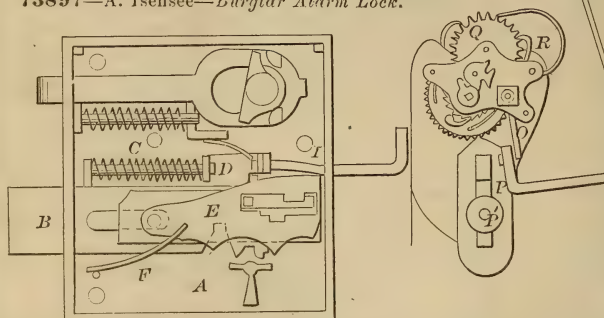
73896—Irwin & Seward—Alarm for Grist Mills.



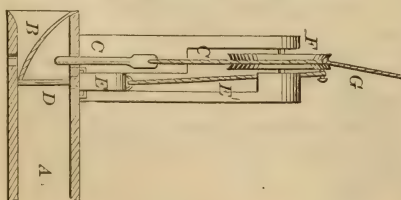
73898—E. M. Ivens—Centrifugal Pump.



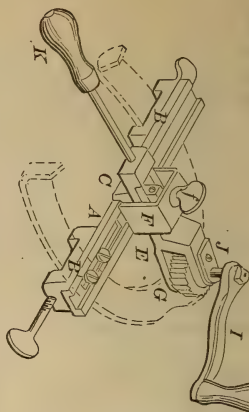
73897—A. Isensee—Burglar Alarm Lock.



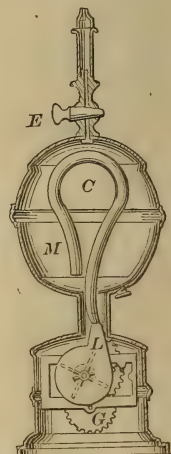
73902—J. B. Johnson—Car Coupling.



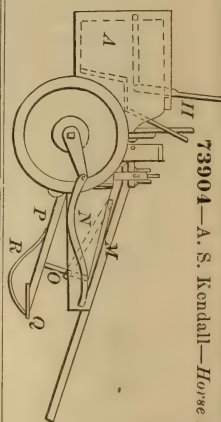
73901—J. Johnson—For Sharpening Horse Shoe Cuts



73900—J. D. Jenkins—Carburetted Air Lamp.



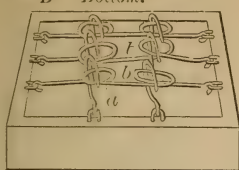
73904—A. S. Kendall—Horse Rake.



73903—P. Jones—Clip and Ferrule for Joints and Fellows.

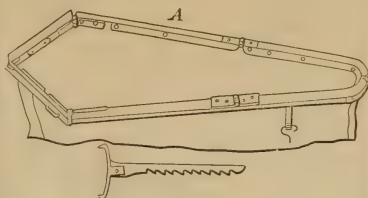


73905—A. H. Knapp—*Bed Bottom.*

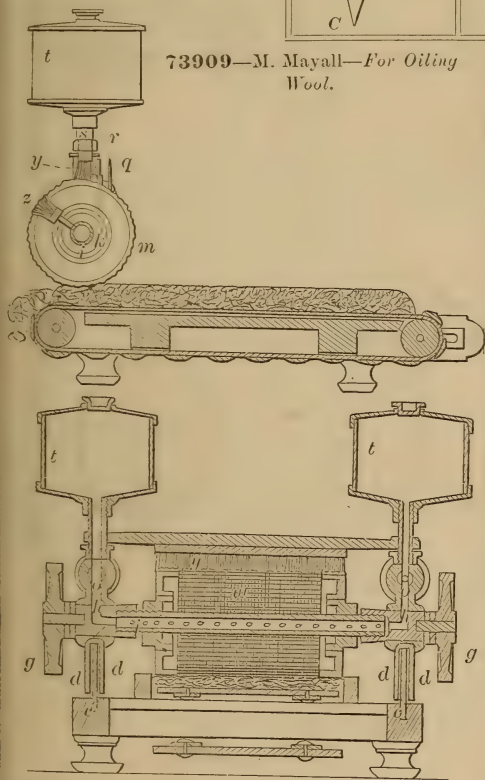


73908—W. W. Martin—*Spike.*

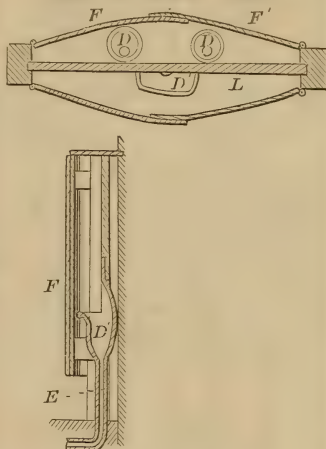
73906—E. J. Knowlton—*Bath Tub.*



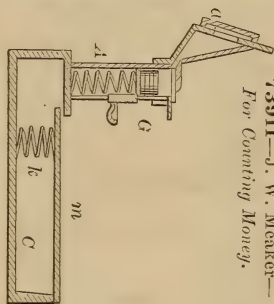
73909—M. Mayall—*For Oiling Wool.*



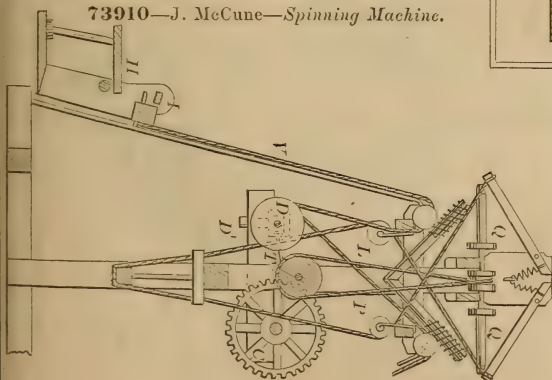
73907—S. Males—*Urinal.*



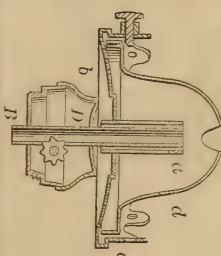
73911—J. W. Meeker—*For Counting Money.*

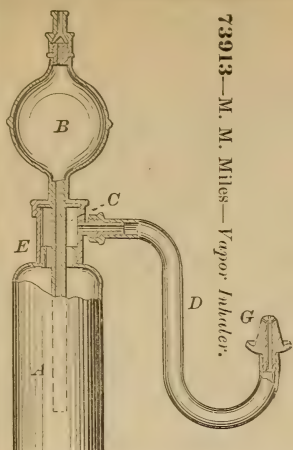
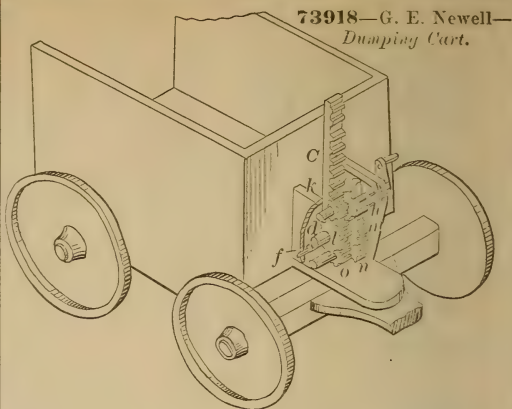
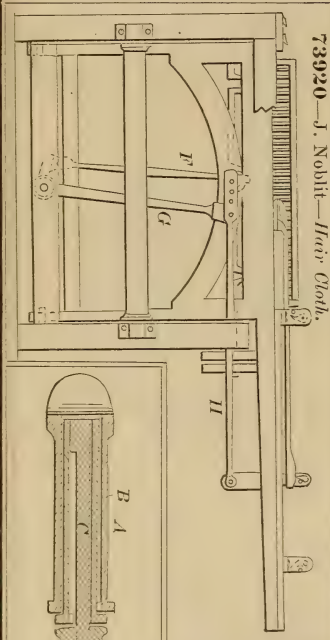
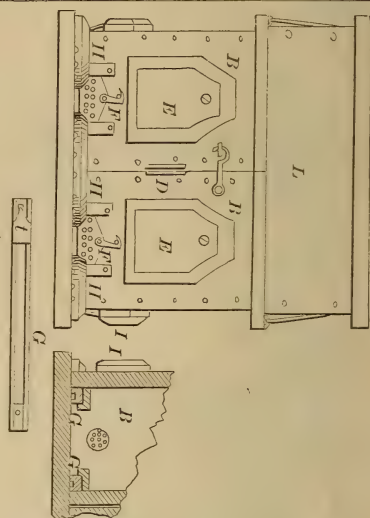
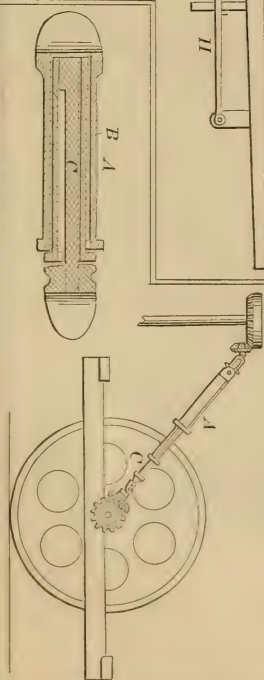
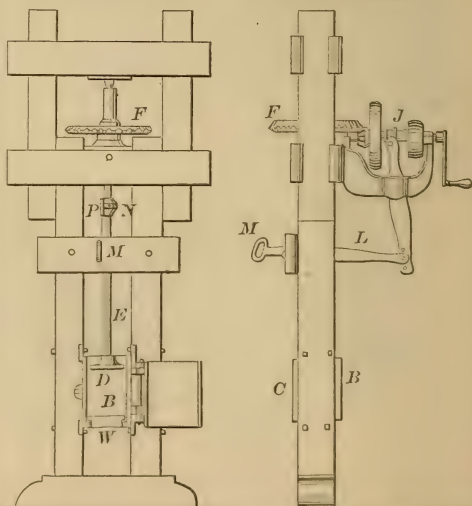


73910—J. McCune—*Spinning Machine.*

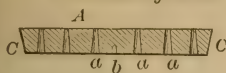


73912—Merrill & Carleton—*Lamp.*

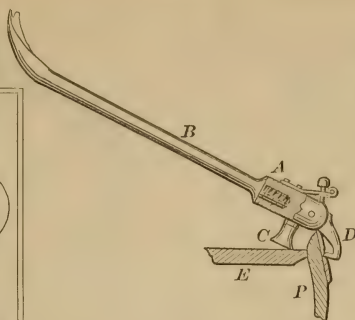


73913—M. M. Miles—*Vapor Injector.*73918—G. E. Newell—*Dumping Cart.*73920—J. Noblit—*Hair Cloth.*73915—J. Neal—*Recliner.*73914—C. Moul—*Drawer.*73921—L. P. Norton—*For Cleaning Clay.*

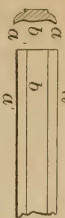
73922—W. C. Philbrick—
For Kindling Fires.



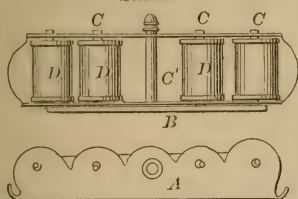
73923—T. J. Phillips—*For Opening Barrels.*



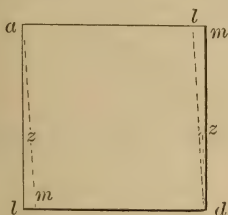
73927—D. F. Randall—*Metallic Band for Trimming Car Seats.*



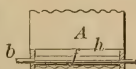
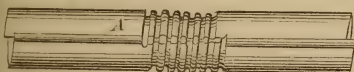
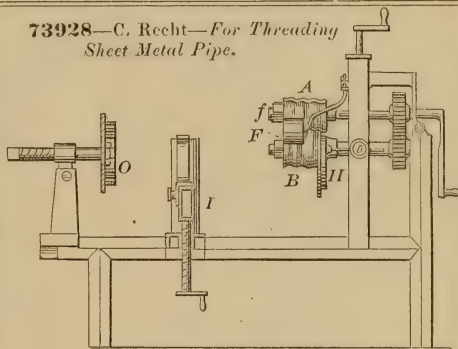
73926—G. A. Pridham—*Spool Stand.*



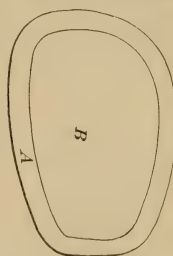
73929—C. Recht—*Sheet Metal Pipe.*



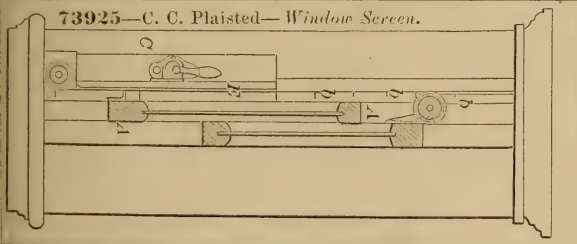
73928—C. Recht—*For Threading Sheet Metal Pipe.*



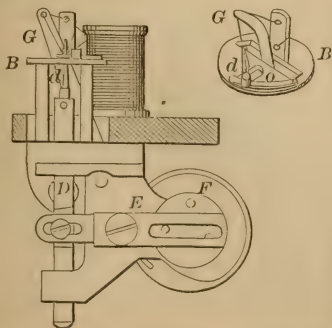
73924—R. S. Pickett—
India Rubber Sole.



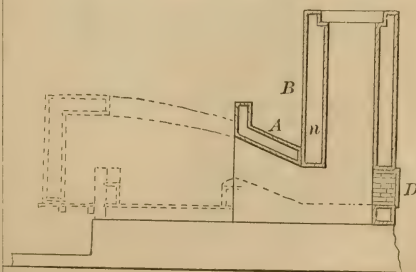
73925—C. C. Plaisted—*Window Screen.*

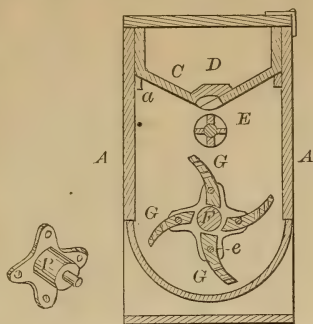
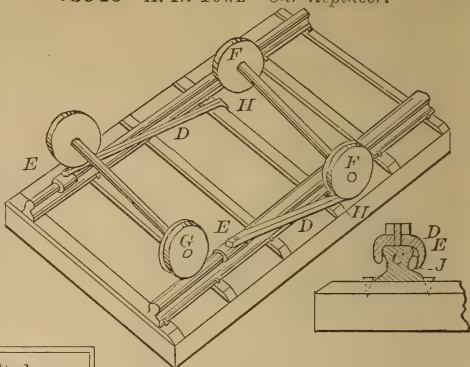
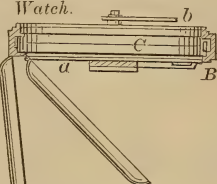
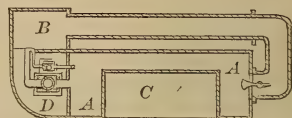
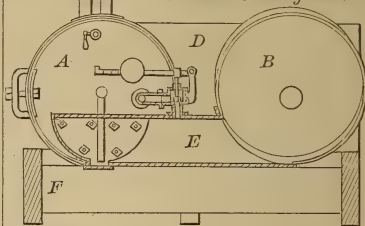
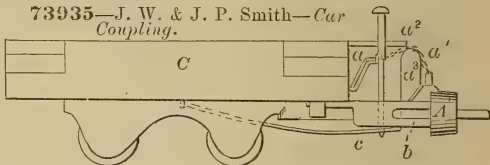
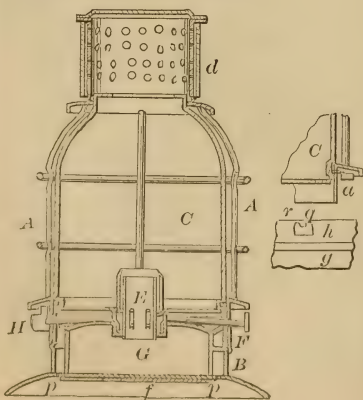
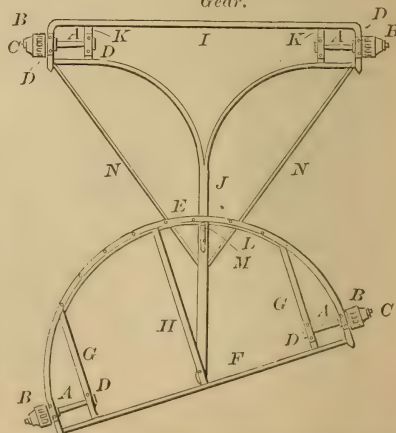


73930—G. Rehfuß—*Braid Machine.*

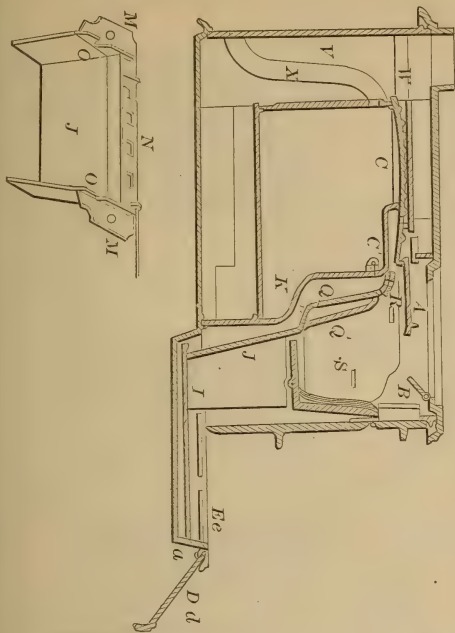


73931—H. Ross—*Puddling Furnace.*

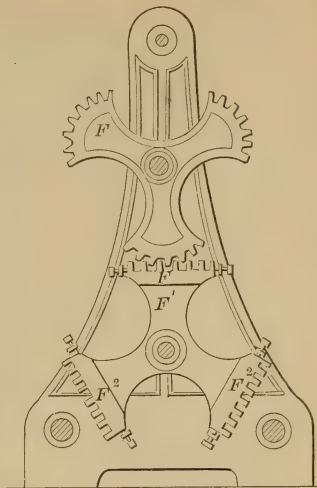


73932—J. B. Rumsey—*Churn.***73940**—A. N. Town—*Car Replacer.***73937**—O. F. Stedman—*Watch.***73936**—D. E. Somes—*For Making Ice and Cooling Air.***73935**—J. W. & J. P. Smith—*Car Coupling.***73934**—A. G. Smith—*Lantern.***73941**—J. B. Withey—*Carriage Running Gear.*

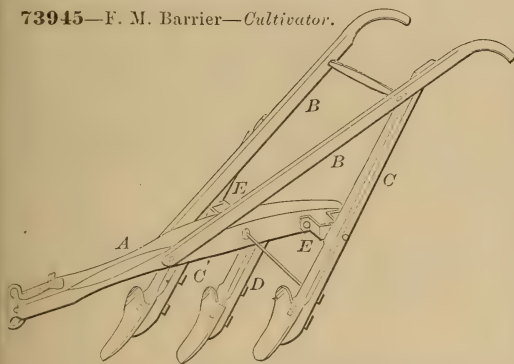
73942—Adams & Peckover—*Stove*.



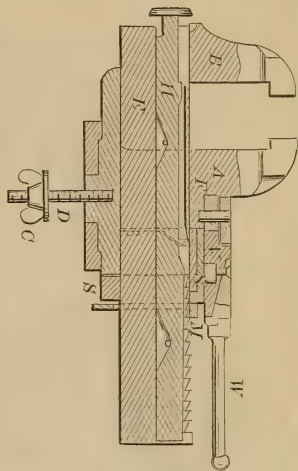
73943—E. Allen—*Printing Press*.



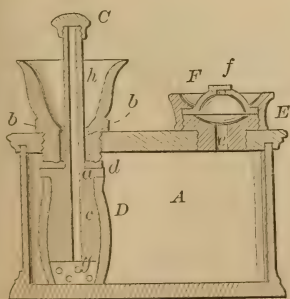
73945—F. M. Barrier—*Cultivator*.



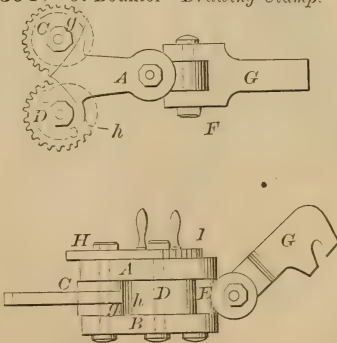
73944—S. S. Barnaby—*Vise*.

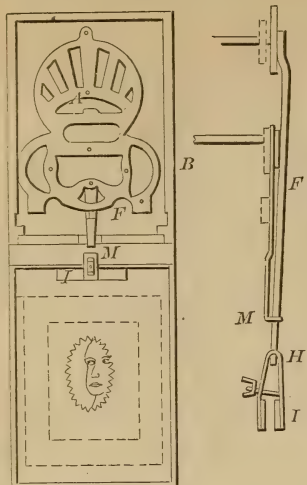


73946—J. Barwick—*Inkstand.*



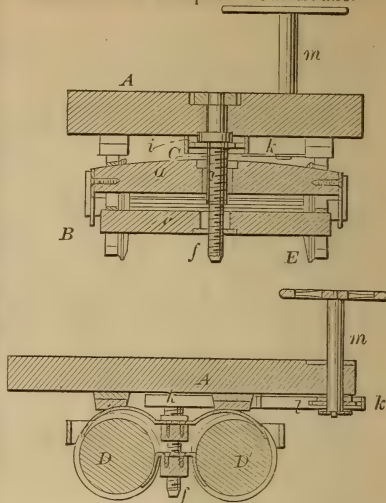
73947—J. Bouniol—*Drawing Clamp.*



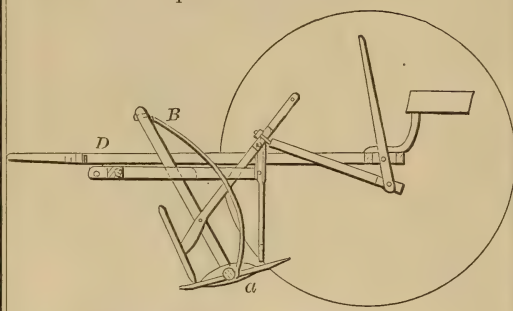


73948—E. & E. W. Brown—Photographic Printing Apparatus.

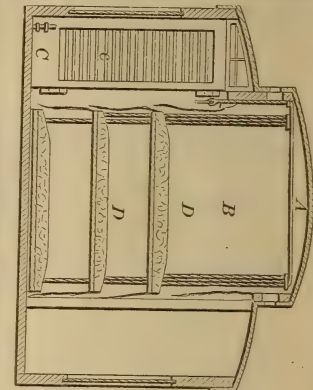
73950—J. A. Campbell—Car Brake.



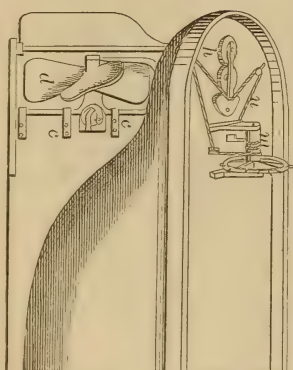
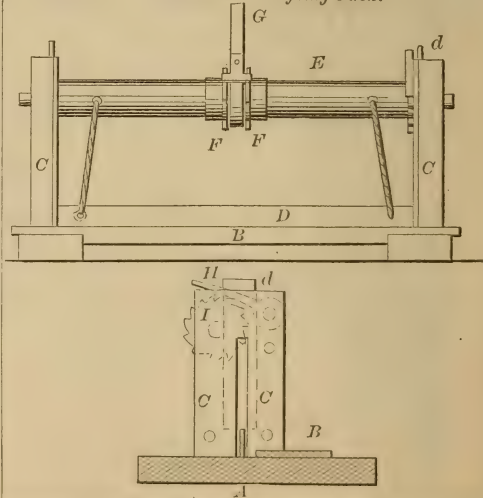
73952—A. Chapman—Horse Rake.



73949—W. Brown—Railroad Car.

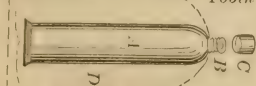


73954—J. Coulter, Sr.—Lifting Jack.



73951—J. L. Culbert—Steering Apparatus.

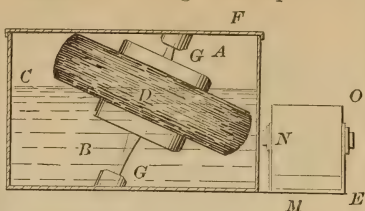
73953—G. F. J. Colburn—Case for Tooth Paste.



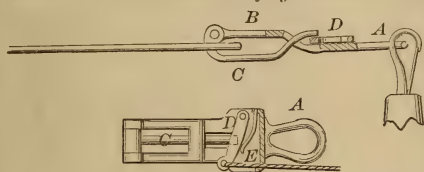
73955—E. Cross—Loom Shuttle.



73956—S. Darling—Pen Wiper.



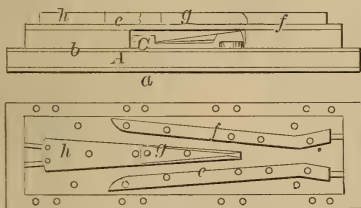
73958—J. L. Dickinson—Safety Harness Hook.



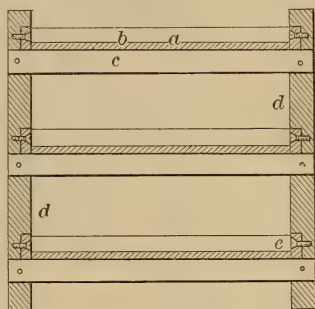
73957—S. Darling—Gas Heater.



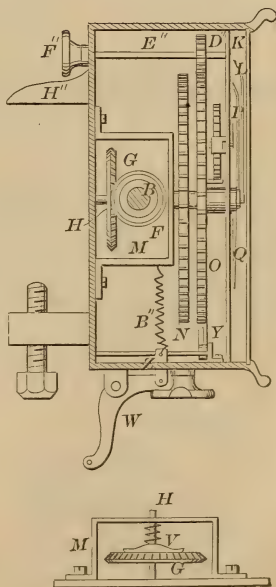
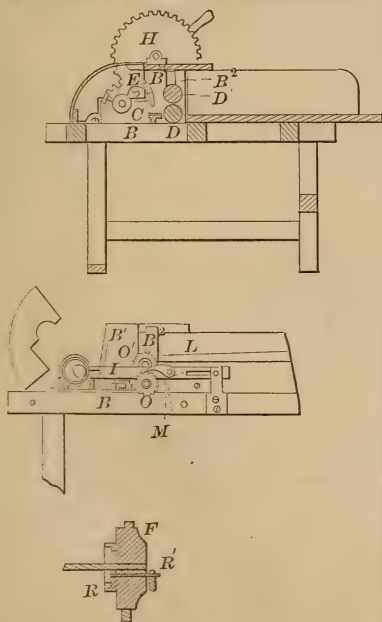
73959—Dow & Riker—Railway Frog.



73960—C. A. Erskine—Egg Preserving Frame.

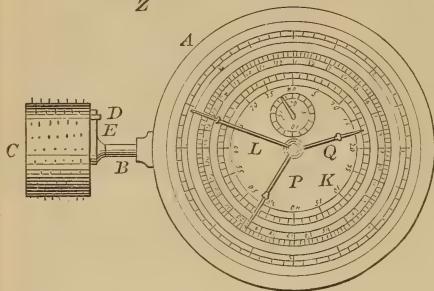
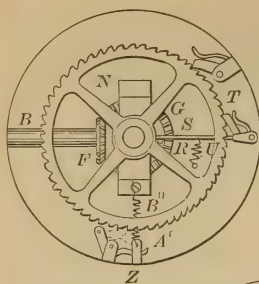


73961—Evans & Wainwright—Straw Cutter.

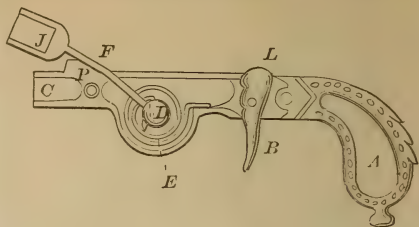


73962—Fellows, Harrison & Dyer—Loom Indicator.

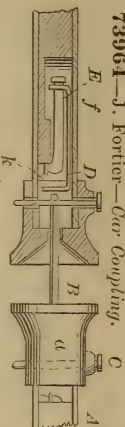
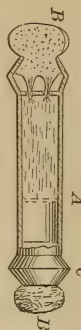
73962—Continued.



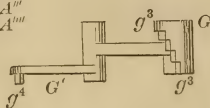
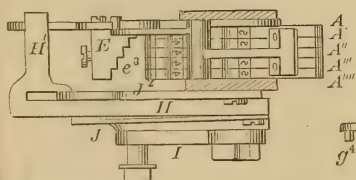
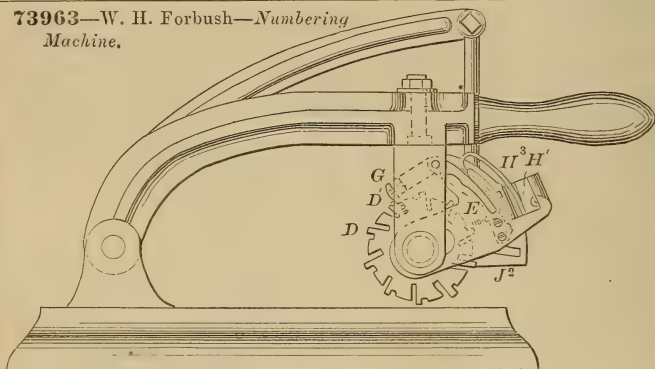
73966—R. Frisbie—Toy Gun.



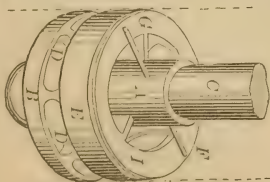
73968—W. Fry—Wringing Instrument for Slates.



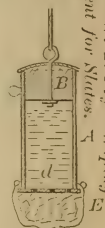
73963—W. H. Forbush—Numbering Machine.



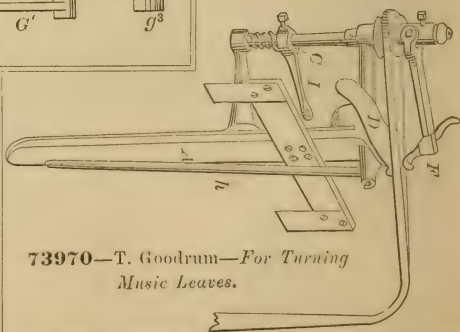
73969—S. P. Gilbert—Pump Piston



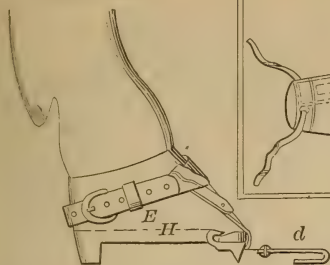
73967—W. T. Fry—Wringing Instrument for Slates.



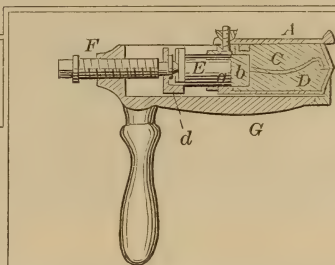
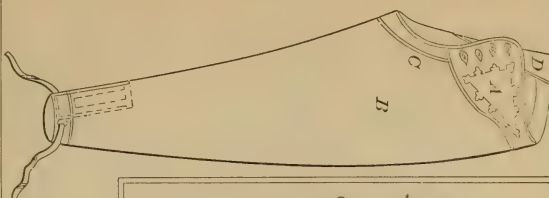
73970—T. Goodrum—For Turning Music Leaves.



73971—W. T. Harmar—
Horse Shoe.

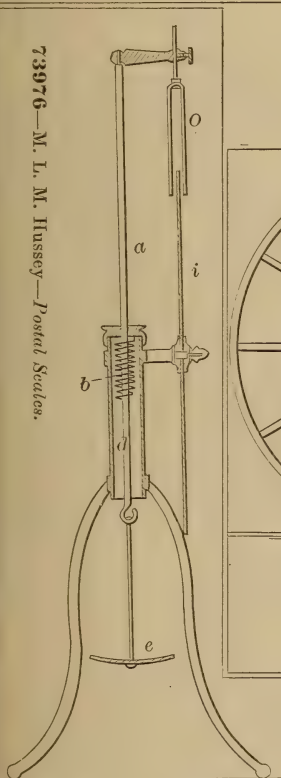


73975—H. Heath—*Drawers.*

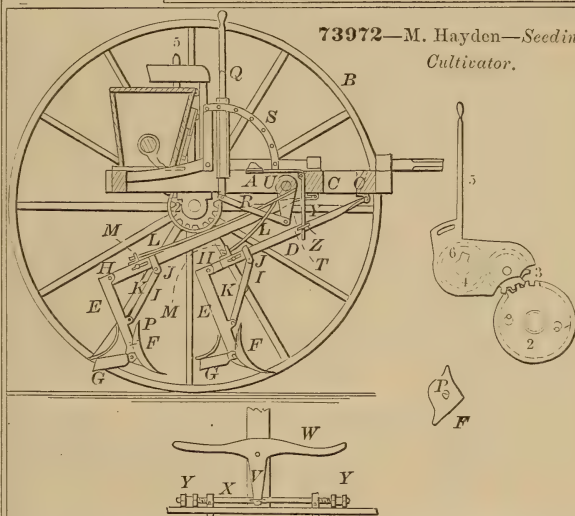


73974—G. E. Hayes—
Dentists' Plush.

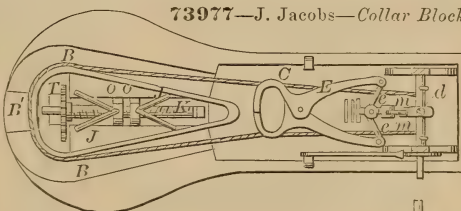
73976—M. L. M. Hussey—*Postal Scales.*



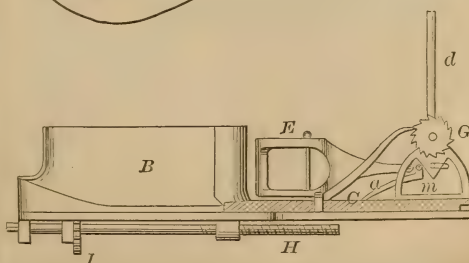
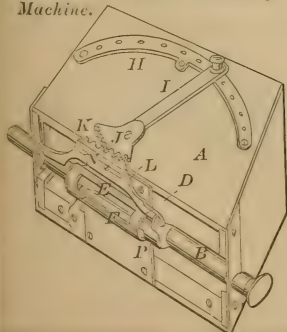
73972—M. Hayden—*Seeding Cultivator.*



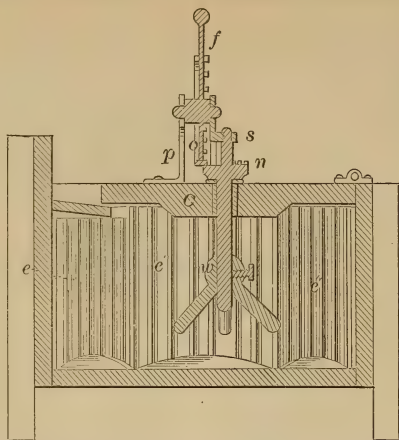
73977—J. Jacobs—*Collar Block*



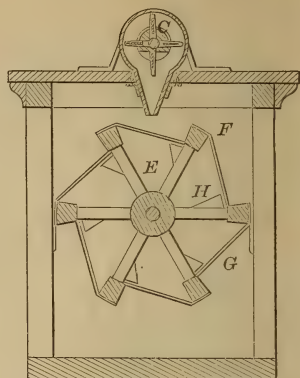
73973—M. Hayden—*Seeding Machine.*



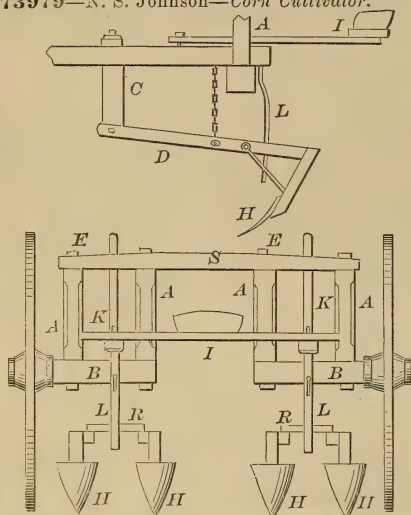
73978—M. V. Jennings—Washing Machine.



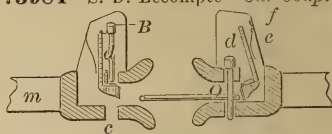
73981—E. H. Kellogg—Flour Bolt.



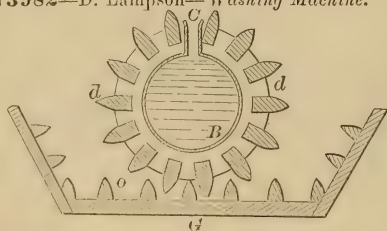
73979—N. S. Johnson—Corn Cultivator.



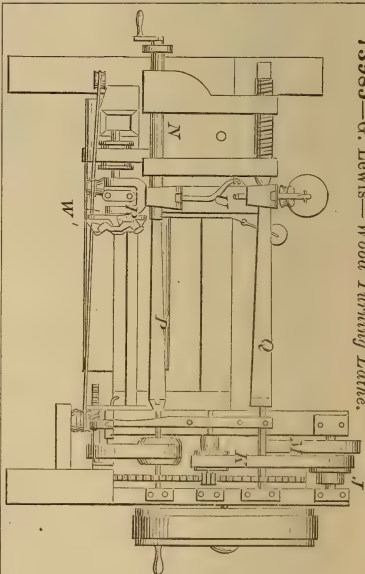
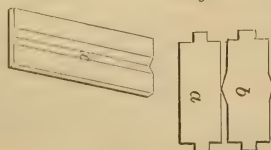
73984—S. D. Lecompte—Car Coupling.



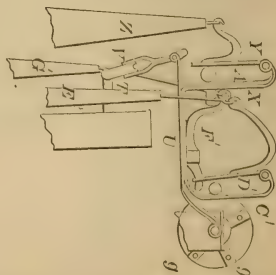
73982—D. Lampson—Washing Machine.



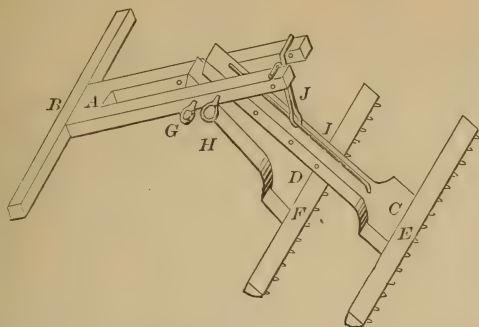
73983—J. Lane—For Forming Plow Lays.



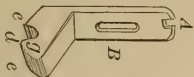
73985—G. Lewis—Wood Turning Lathe.



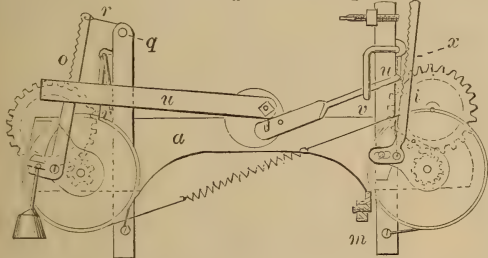
73986—C. S. McRobert—*Carpet Stretcher.*



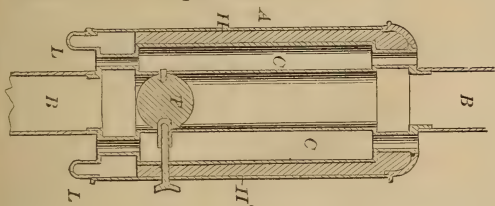
73987—G. B. Melcher—*Window Blind Fastening.*



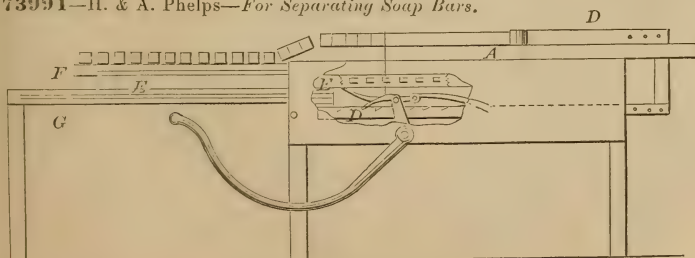
73993—J. Pender—*Let-off and Take-up for Looms.*



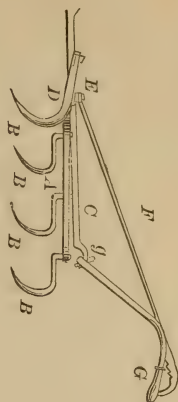
73990—M. S. Morgan—*Stove Drum.*



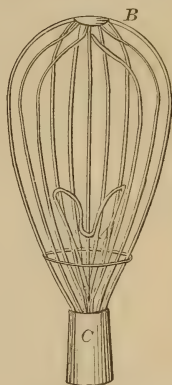
73991—H. & A. Phelps—*For Separating Soap Bars.*



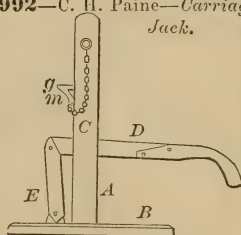
73988—J. W. Milroy—*Corn and Cotton Cultivator.*



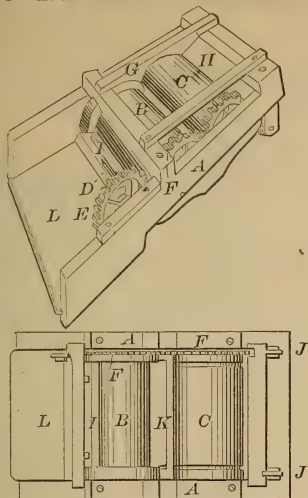
73989—O. B. Moore—*Fruit Picker.*



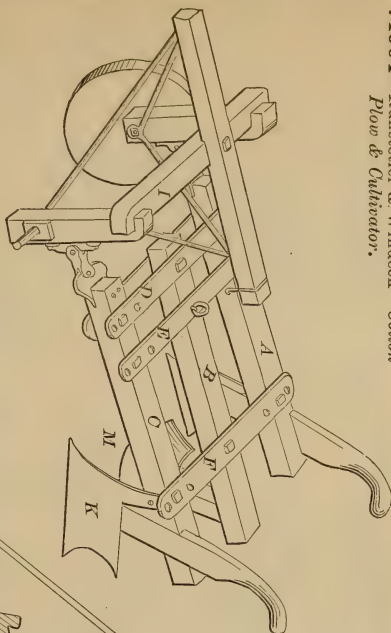
73992—C. H. Paine—*Carriage Jack.*



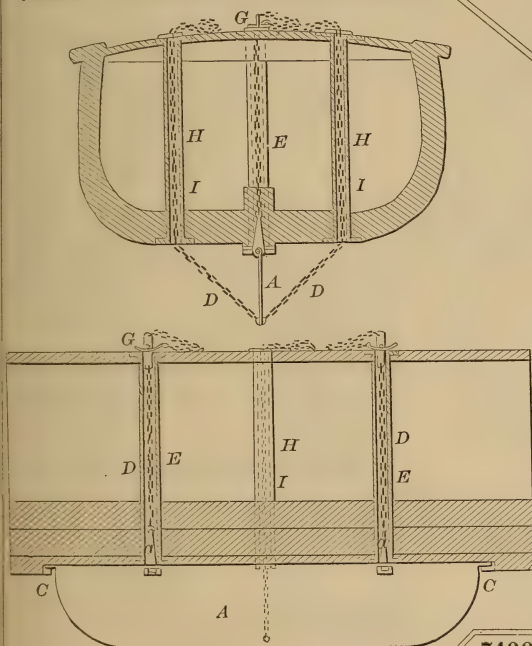
74000—L. E. Ransom—Brick Machine.



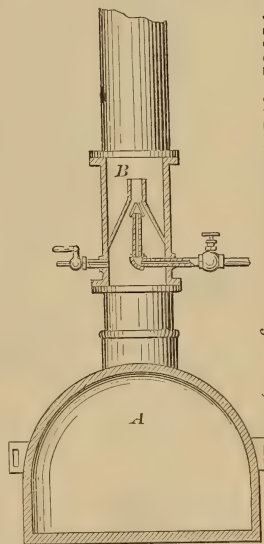
74004—Runstetter & Windeck—Cotton
Plow & Cultivator.



74003—D. Robertson—Vessel Centre Board.

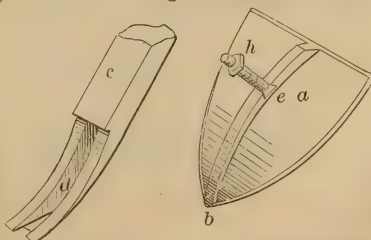


74001—J. T. Rich—For Generating Gases, &c.,

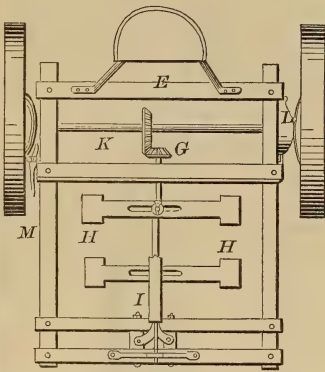
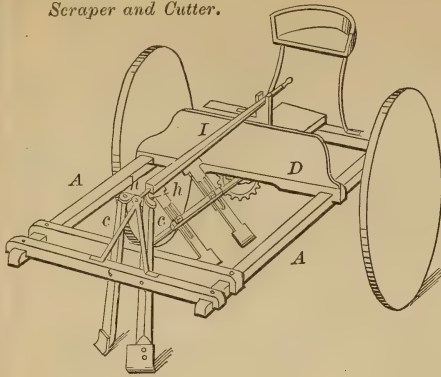


74005—L. Rogers—Cultivator Teeth.

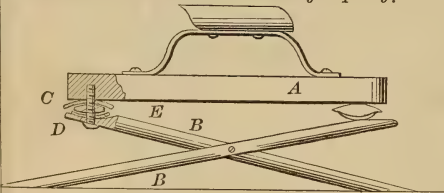
74002—Rinehart & Phillips—For Preventing
Hogs from Rooting.



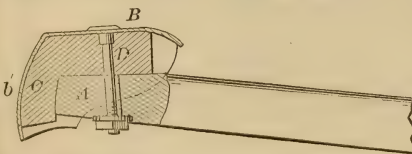
74006—Runstetler & Windeck—*Cotton Scraper and Cutter.*



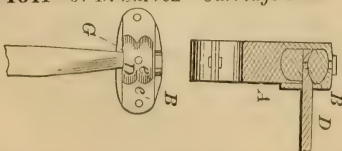
74009—J. D. Sarven—*Carriage Spring.*



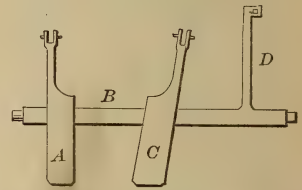
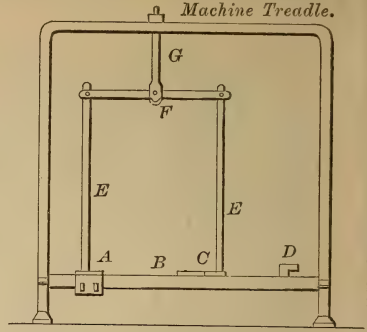
74010—J. D. Sarven—*Carriage Spring.*



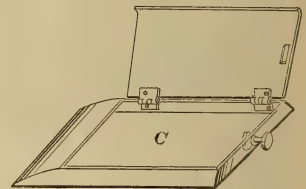
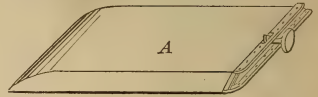
74011—J. D. Sarven—*Carriage Iron.*



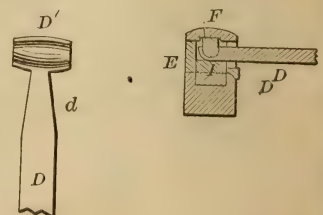
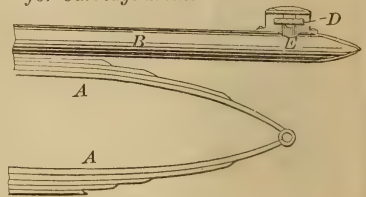
74007—Rutter & Hunt—*Sewing Machine Treadle.*



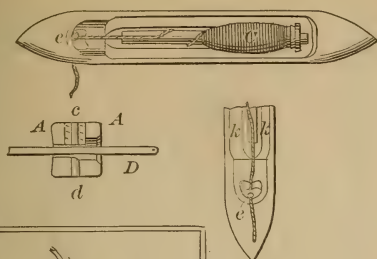
74008—C. Sanborn—*Safety Pocket.*



74012—J. D. Sarven—*Elastic Bearing for Carriage Irons.*



74013—L. Scofield—Loom Shuttle.



74014—H. M. Shute—Book Binding.

Fig. 3

Fig. 1

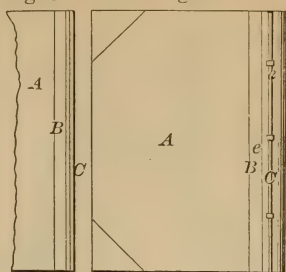
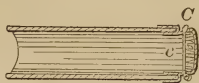
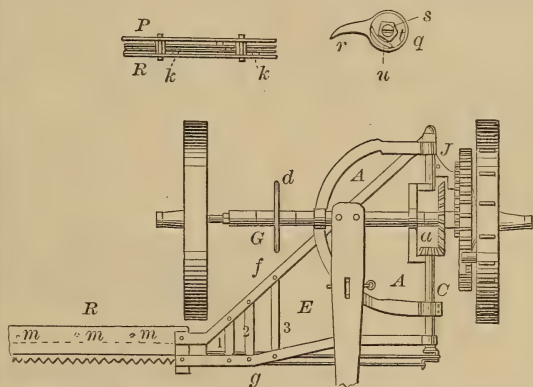


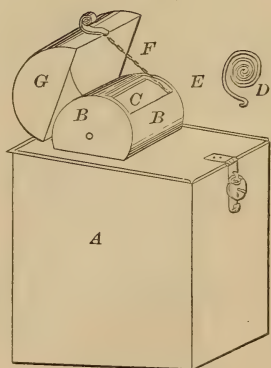
Fig. 2



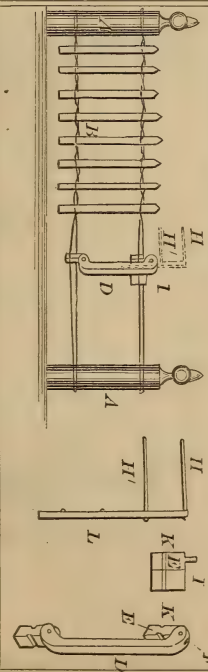
74016—J. W. Thompson—Harvester.



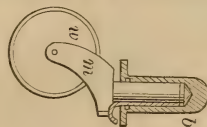
74015—J. W. & J. D. Smith—Letter Box.



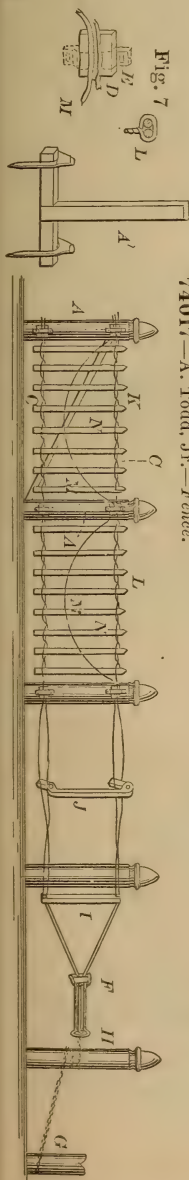
74018—A. Todd, Jr.—Fence.

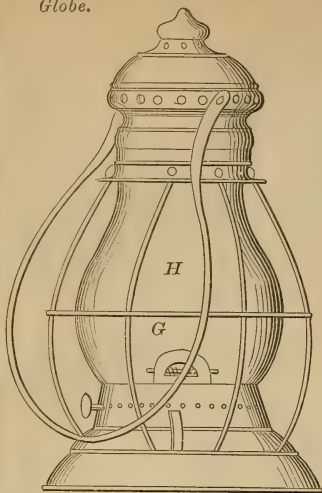
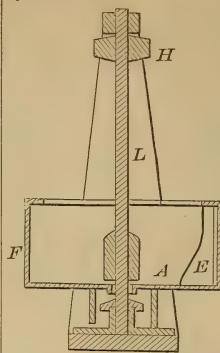


74019—A. C. Twining—Caster.

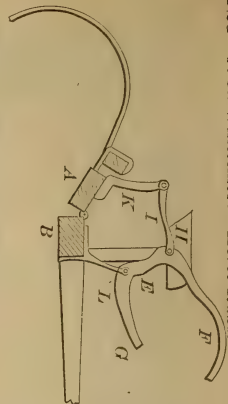


74017—A. Todd, Jr.—Fence.

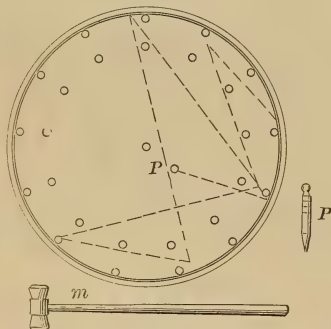


74020—W. Westlake—Lantern
Globe.74021—D. M. Weston—
For Separating Liquids
from Paints.

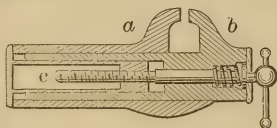
74023—J. R. Whittemore—Horse Ruler.



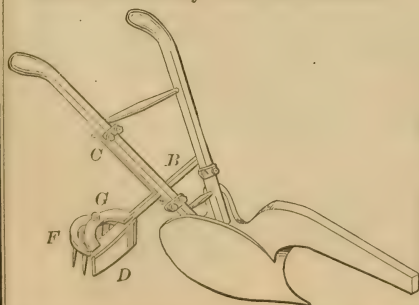
74022—J. E. Wheat—Letter Game.



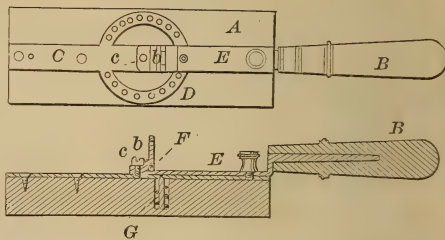
74025—L. Yale, Jr.—Vise



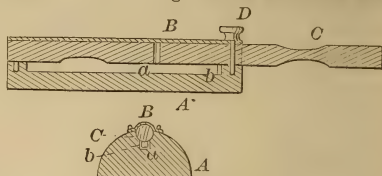
74024—P. Wonsey—Plow and Harrow.



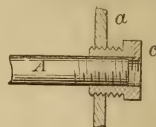
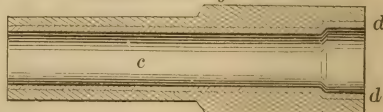
74026—A. A. Young—Brush Stock and Handle.



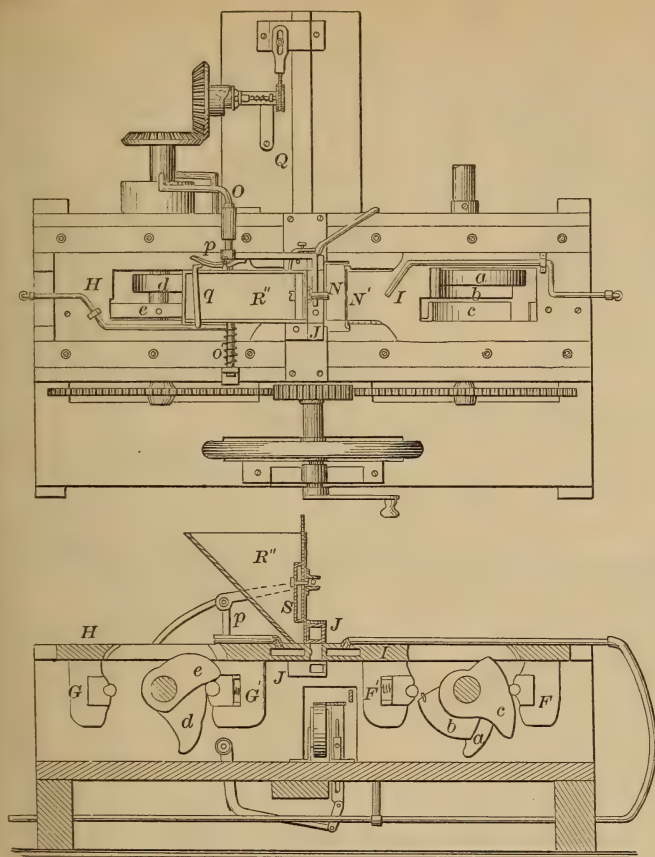
74027—A. A. Young—Brush Stock and Handle.



74028—J. U. Adams—Boiler Tube Ferrule.

74029—A. H. Ahlborn—Securing Box
Metal in Carriage Hubs.

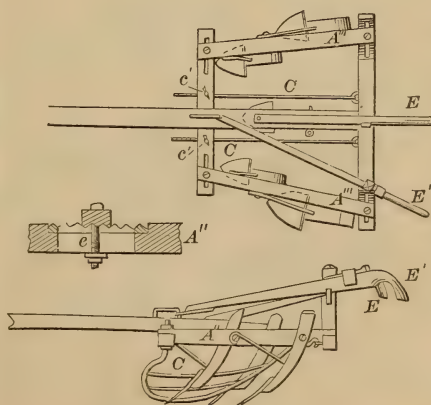
74030—J. Armstrong—Brick Machine.



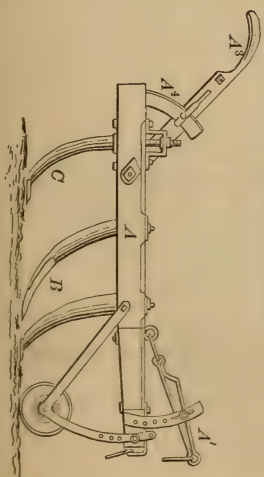
74033—A. Asmann—Lamp Lighter.

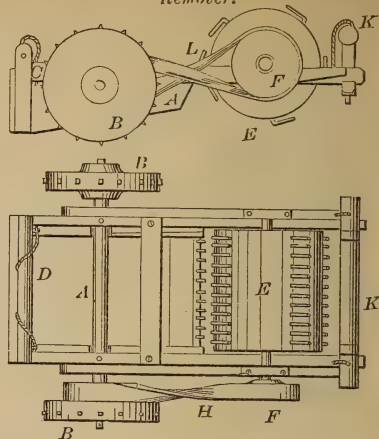
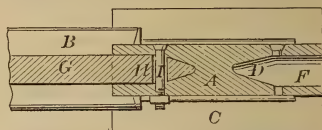
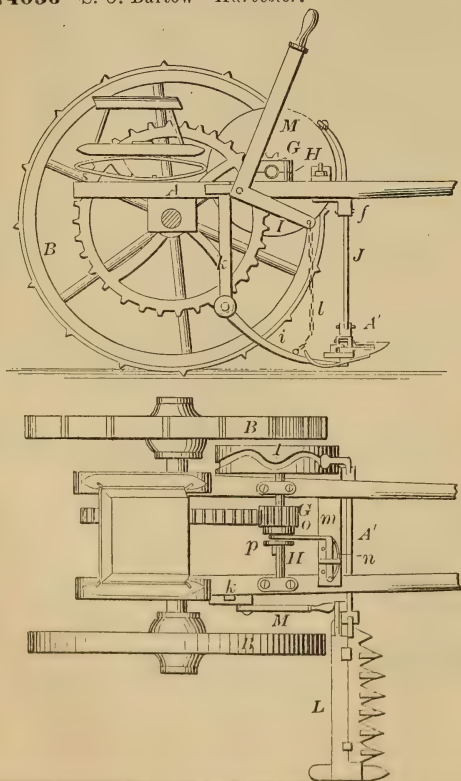
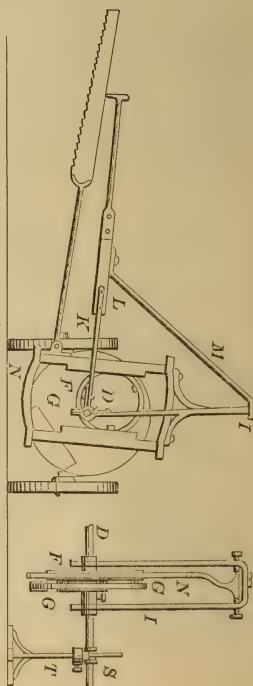
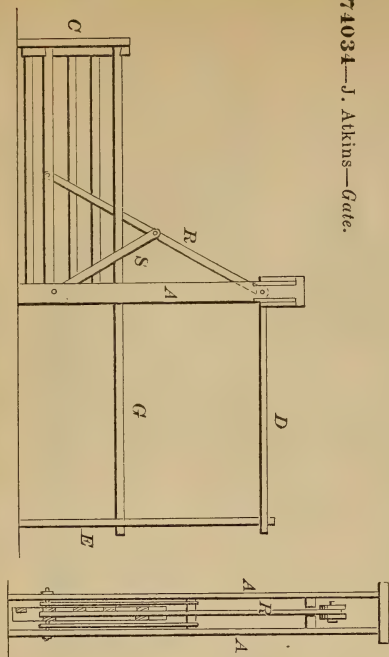


74032—J. B. Arthnr—Corn Plow and Cultivator.

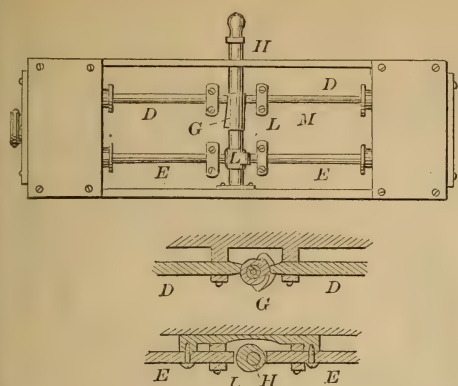


74031—Arnold & Grimm—Cultivator.

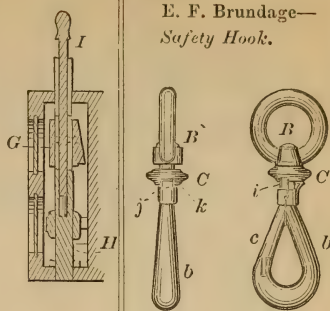


74035—E. Babcock—*Harrow and Stone Remover.*74037—J. Behymer—*Railway Joint.*74036—S. O. Bartow—*Harvester.*74038—G. W. Bell—*Sawing Machine.*74034—J. Atkins—*Gate.*

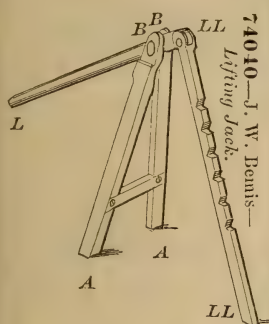
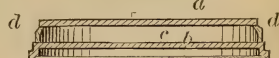
74039—E. H. Bellows—*Steam Engine.*



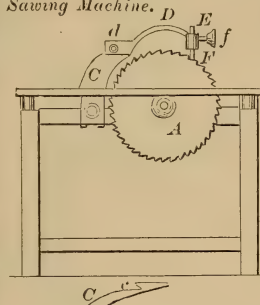
74043—
E. F. Brundage—
Safety Hook.



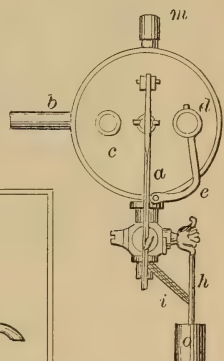
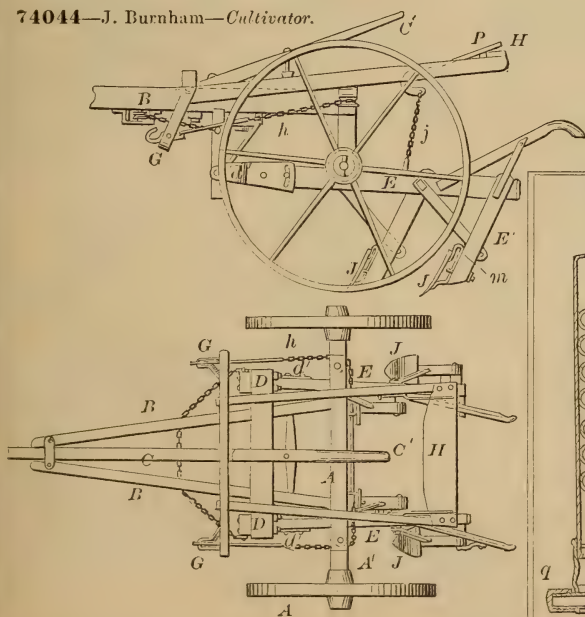
74041—B. D. Bingham—
Watch.



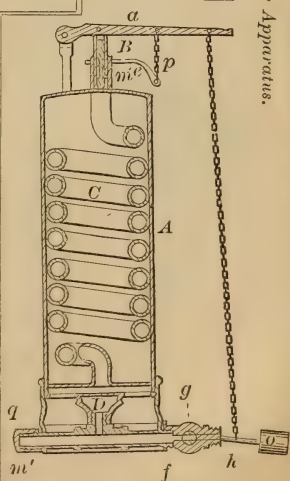
74042—C. D. Blakeslee—
Sawing Machine.

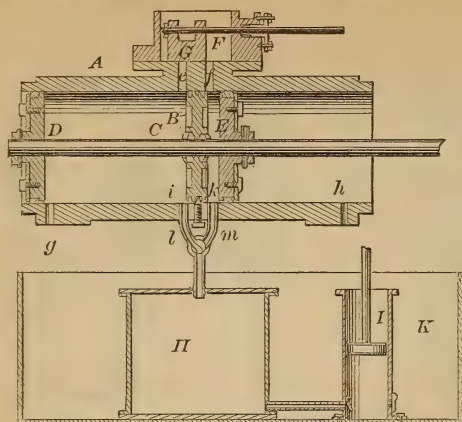
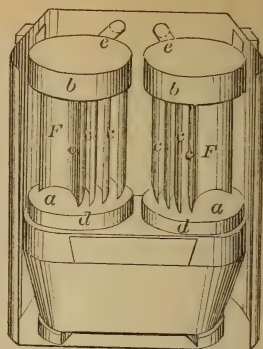
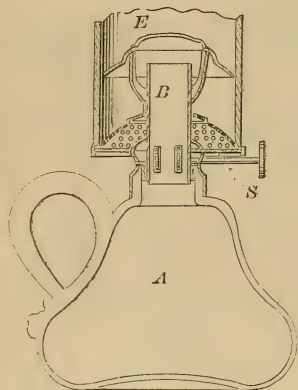
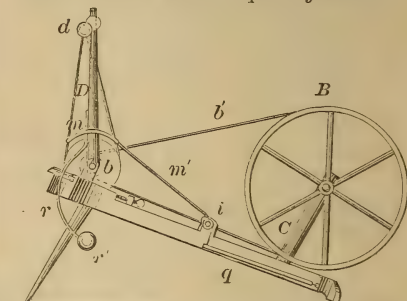
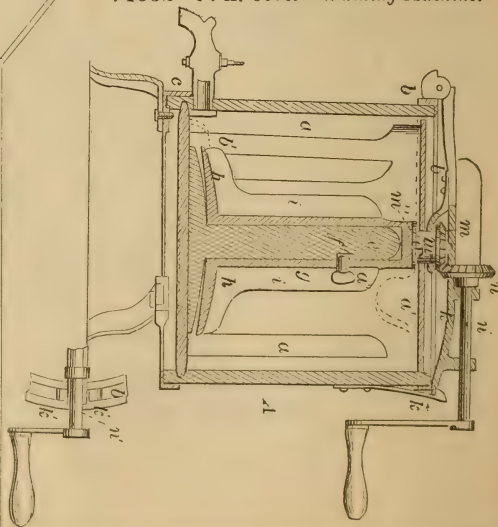
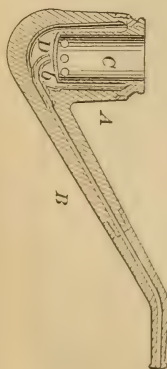


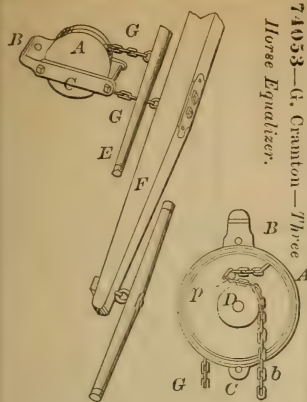
74044—J. Burnham—*Cultivator.*



74045—J. Chambers—*Steam Heating Apparatus.*

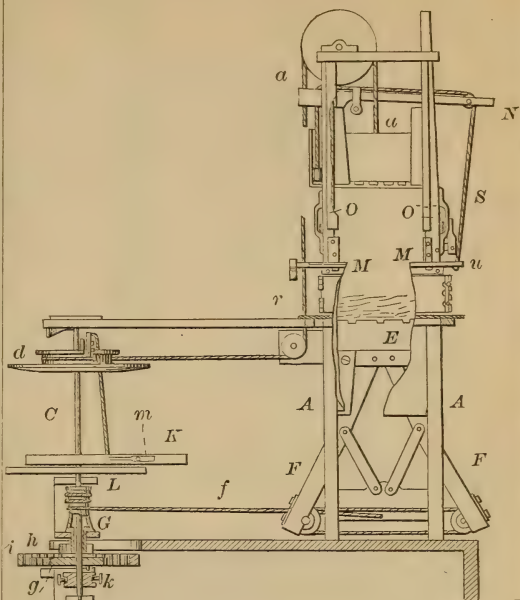


74046—W. T. Chamberlain—*Steam Engine.*74051—N. E. Cornwall—*Heating Furnace.*74048—W. H. Clark—*Brush.*74049—M. H. Collins—*Lamp.*74047—S. W. Clark—*Spinning Wheel.*74052—F. H. Covel—*Washing Machine.*74050—J. Cook—*Tobacco Pipe.*

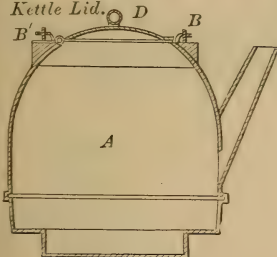


74053—G. Crumton—Horse Equalizer.

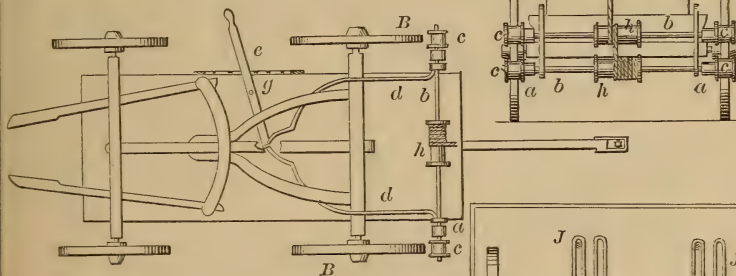
74054—G. W. D. Culp—Hay Press.



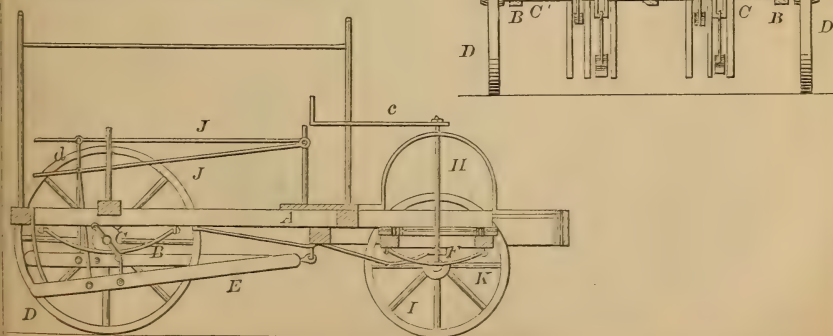
74057—I. De Haven—Tea Kettle Lid.



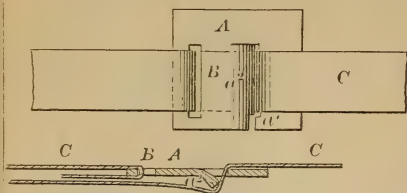
74055—E. N. Curtice—Hay Loader.



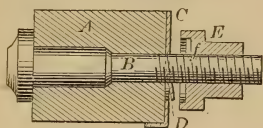
74058—L. Derozier—Velocipede.



74059—J. B. Dunn—*Cotton Bale Tie.*



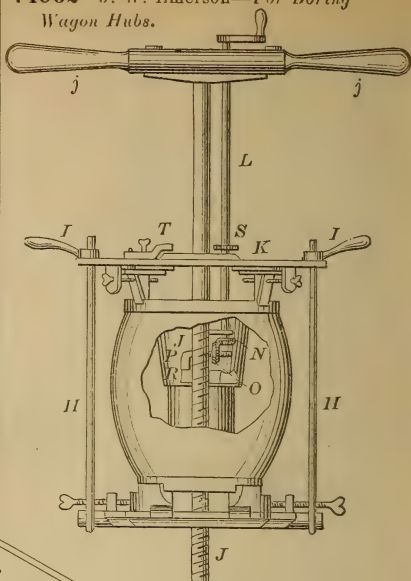
74060—Elliott & Seely—Washer for
Lock Nuts.



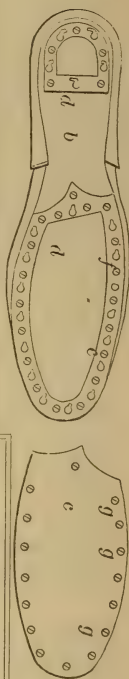
74061—J. Ellis—*Boiler for Heating Water.*



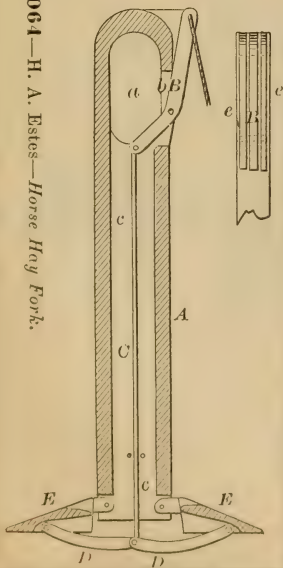
74062—J. W. Emerson—*For Boring*
Wagon Hubs.



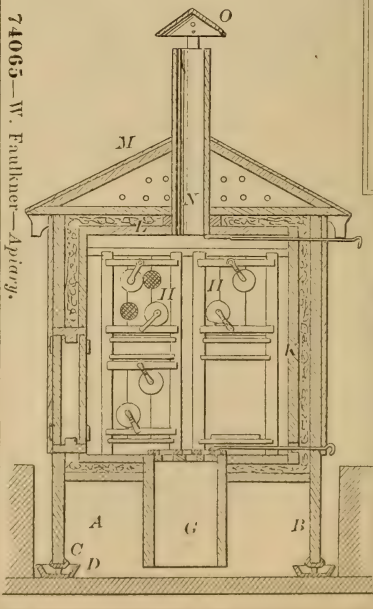
74066—J., A. Turre—*For Soling Shoes.*



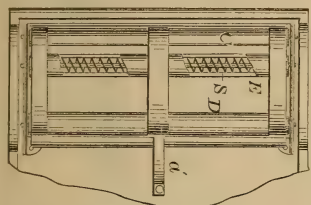
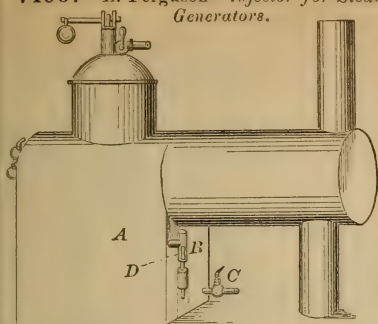
74064—H. A. Estes—Horse Hay Fork.



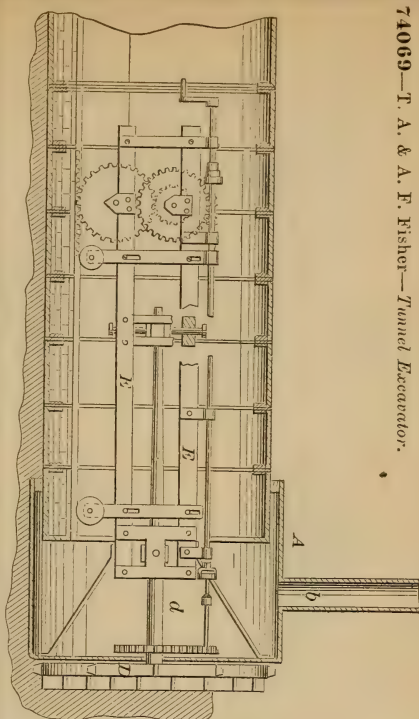
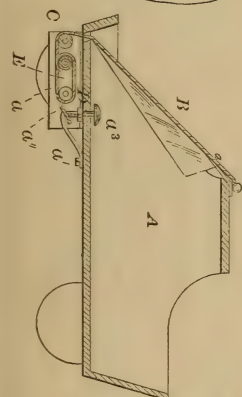
74065—W. Faulkner—Apirary.



74067—E. Ferguson—*Injector for Steam Generators.*

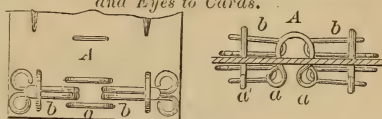


74071—M. M. Follett—*Boot Attachment to Carriages.*

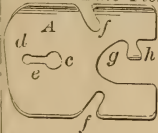


74069—T. A. & A. F. Fisher—*Tunnel Excavator.*

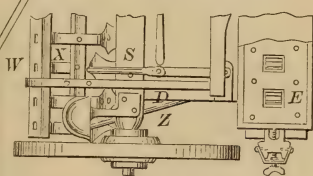
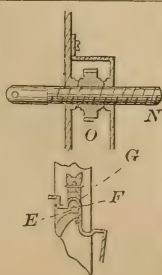
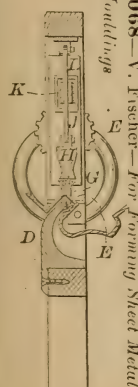
74072—J. D. Franklin—*Securing Hooks and Eyes to Cards.*



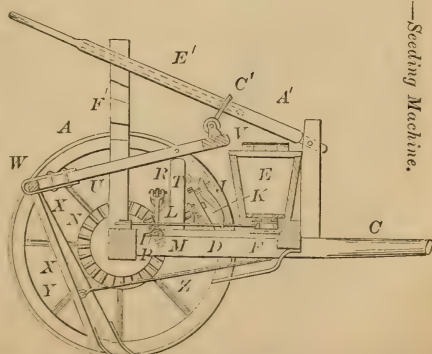
74070—A. C. Fletcher—*Cotton Bale Tie.*

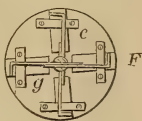
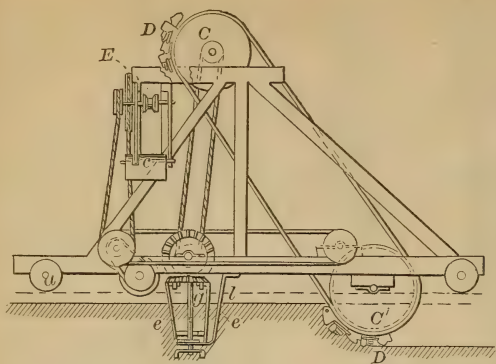
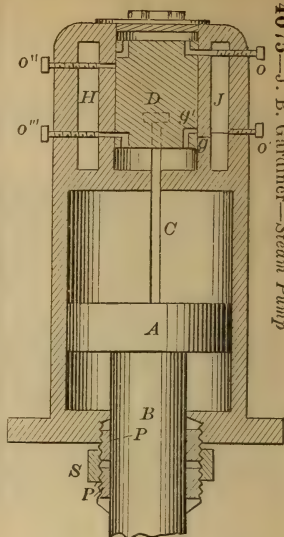
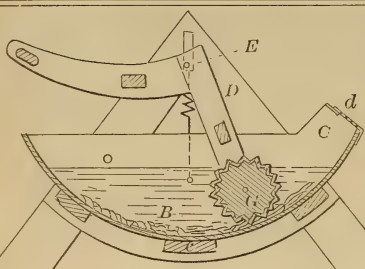
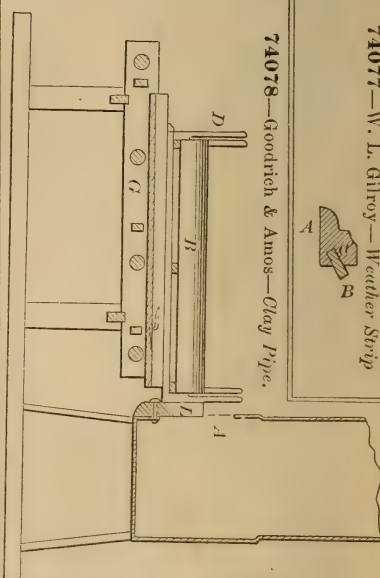
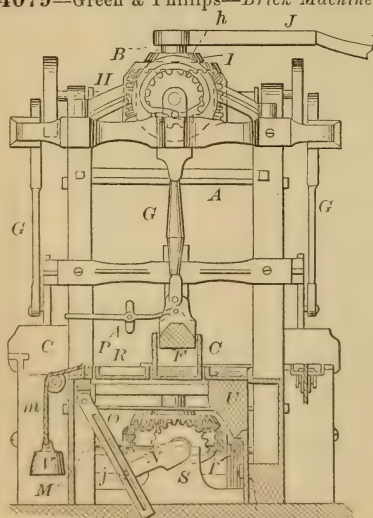
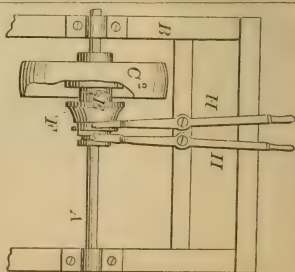


74068—V. Fischer—*For Forming Sheet Metal Mouldings.*

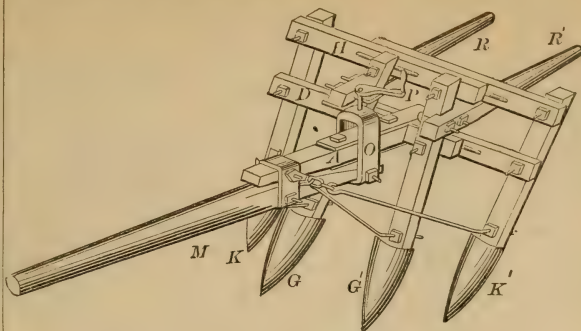


74073—O. Fry, Jr.—*Seeding Machine.*

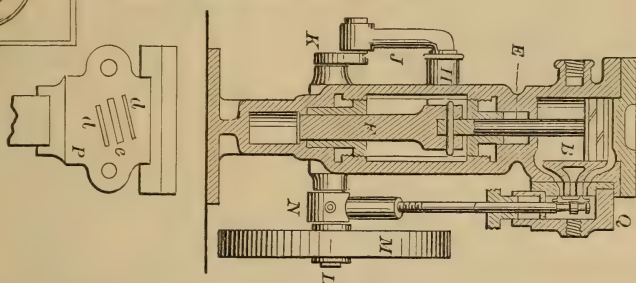


74074—A. A. Fuselier—*Ditching Machine.*74075—J. B. Gardner—*Steam Pump.*74076—H. Garrett—*Butter Worker.*74078—Goodrich & Amos—*Clay Pipe.*74079—Green & Phillips—*Brick Machine.*74080—A. W. Hall—*Friction Clutch.*

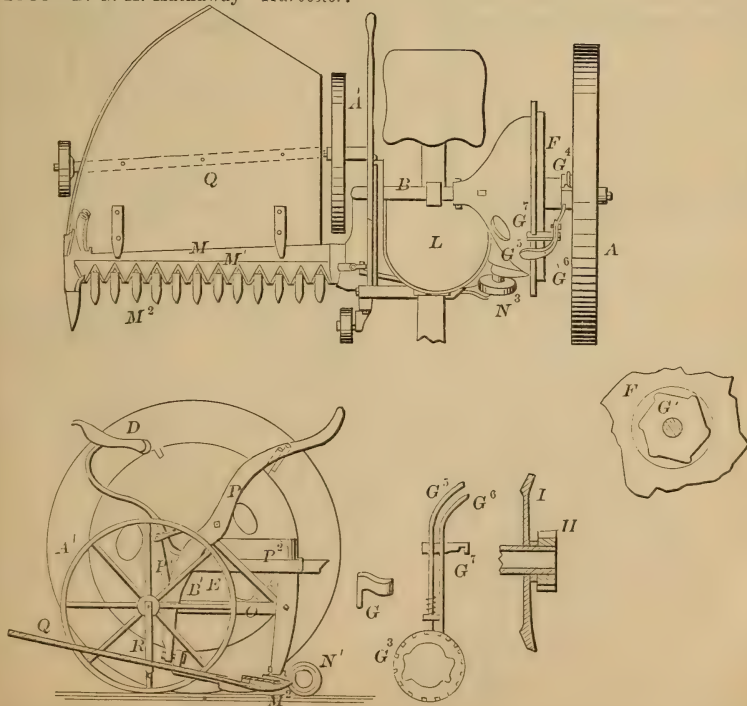
74082—J. R. Hand—Cultivator.



74084—W. Harsen—Steam Pump.



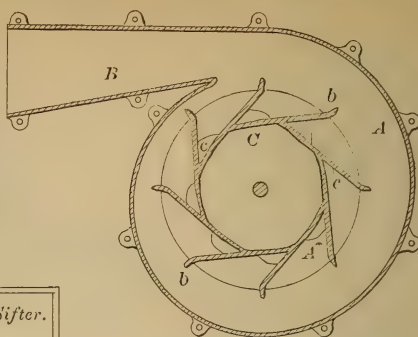
74085—B. G. H. Hathaway—Harvester.



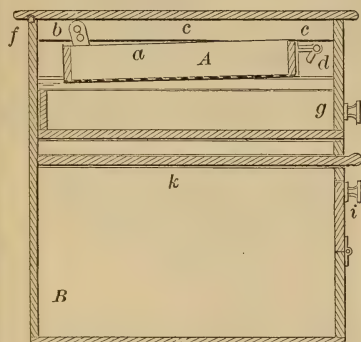
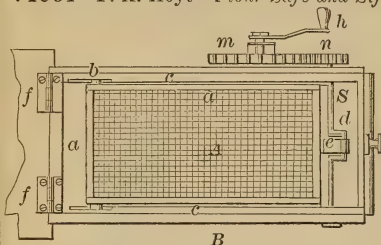
74086—A. S. Haven—*For Leading Cattle.*



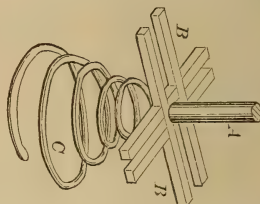
74089—W. J. Hoffman—*Water Wheel.*



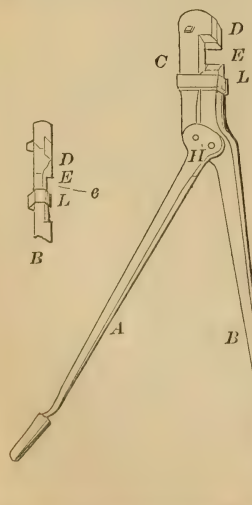
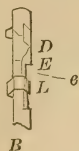
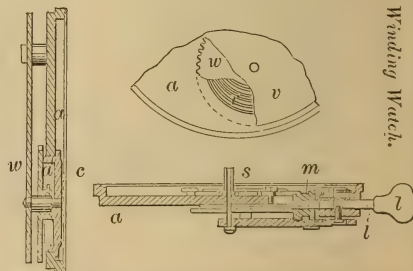
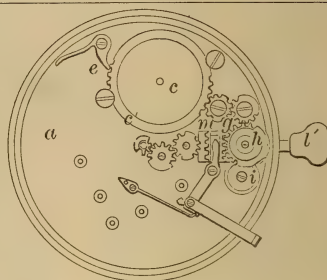
74091—F. A. Hoyt—*Flour Safe and Sifter.*



74088—P. Hull—*Churn.*

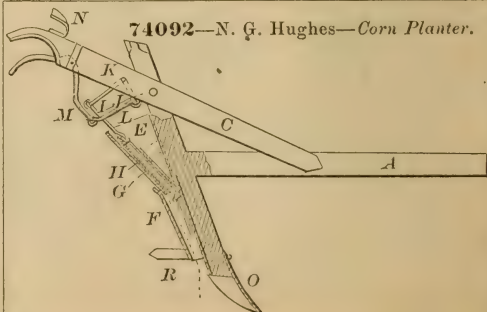


74090—E. Howard—*Steam Winding Watch.*

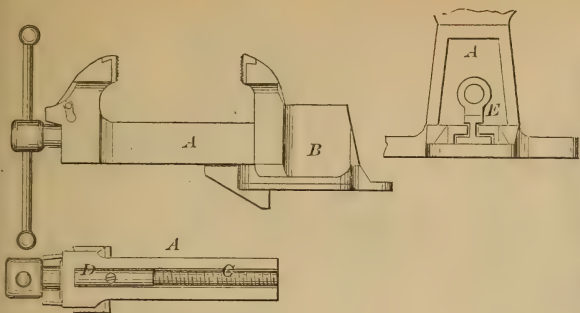


74087—Henry & Reist—*Bolt and Ratchet Cutter.*

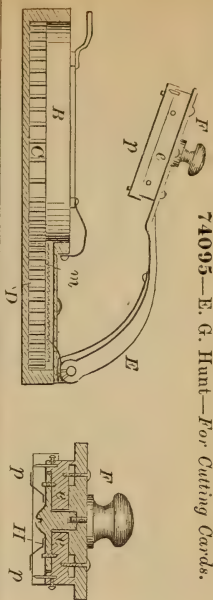
74092—N. G. Hughes—*Corn Planter.*



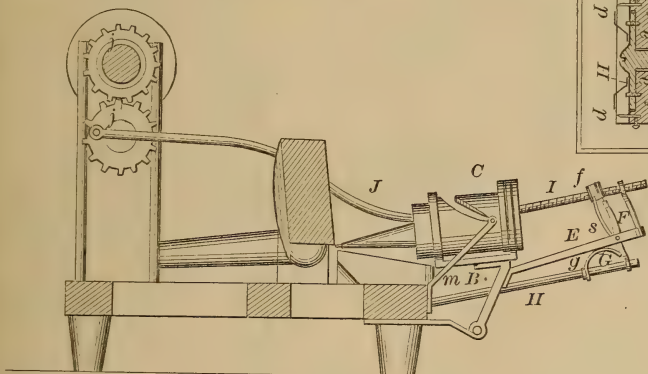
74093—T. H. Humphreys—*Vise.*



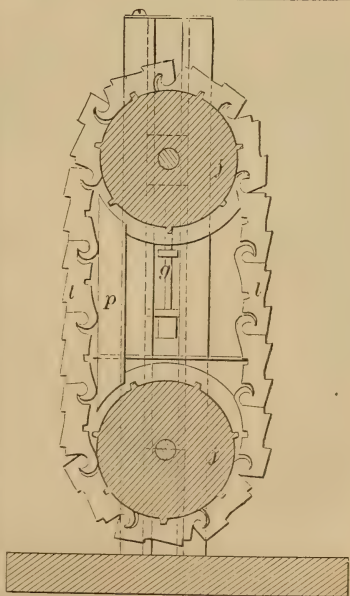
74095—E. G. Hunt—*For Cutting Cards.*



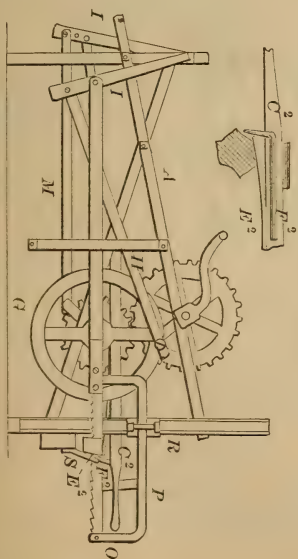
74094—C. D. Hunt—*Nail Plate Feeder.*



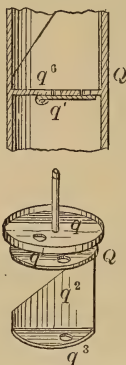
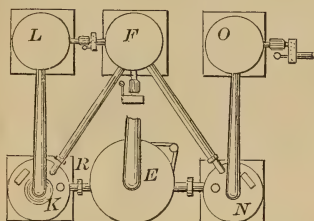
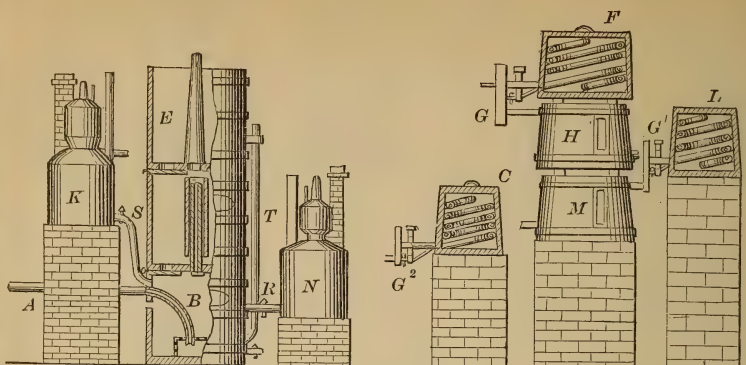
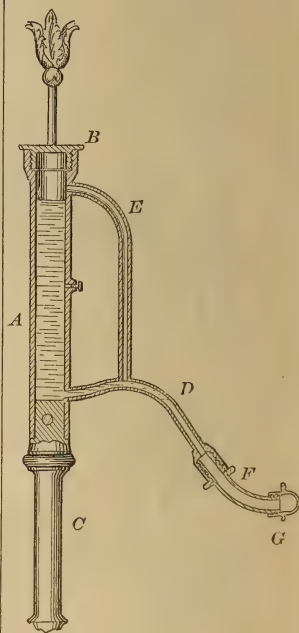
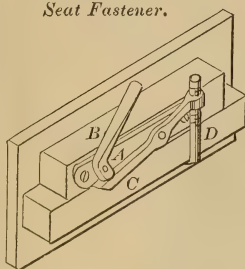
74097—De L. Kennedy—*Chain Saw*



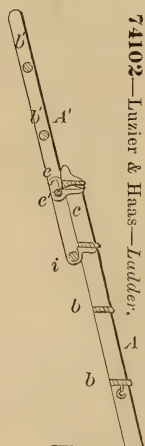
74096—I. B. Jones—*Sawing Machine.*



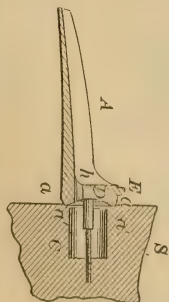
74098—H. H. Kirk—Distillery.

74099—W. A. Lawton—
Gas Torch.74100—E. C. Lewis—
Seat Fastener.

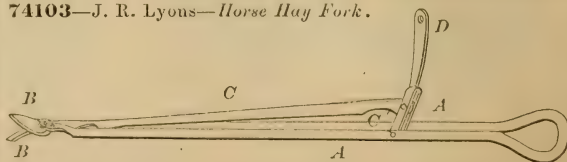
74102—Luzier & Haas—Ladder.



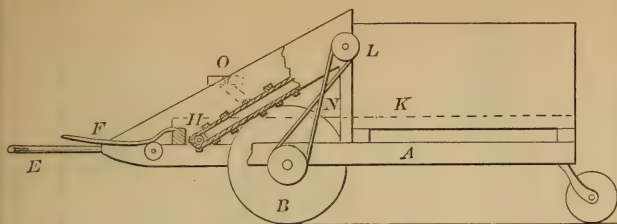
74101—R. F. Livermore—Saw Spout.



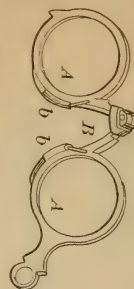
74103—J. R. Lyons—Horse Hay Fork.



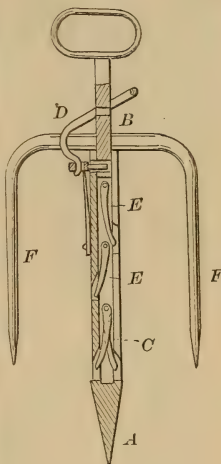
74104—J. Mains—Corn Harvester.



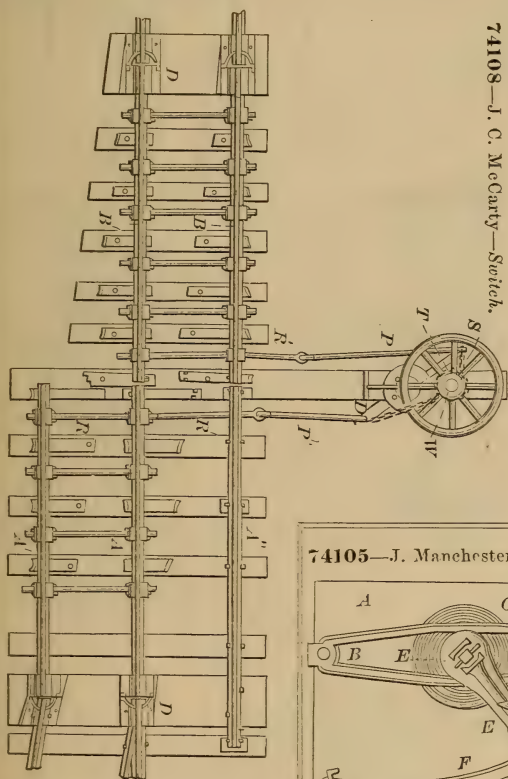
74109—J. K. McDonald—
Eye Glass.



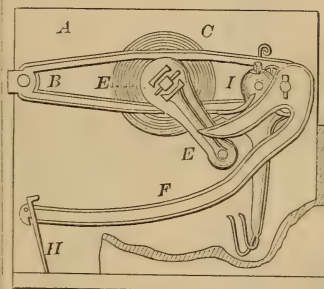
74106—L. S. Mason—Horse Hay Fork.



74108—J. C. McCarty—Switch.



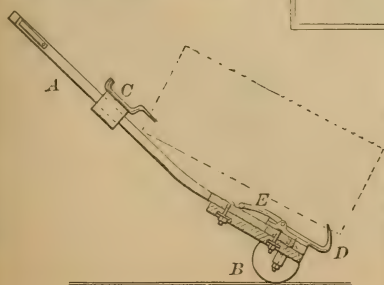
74105—J. Manchester—Animal Trap.



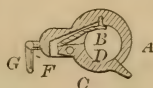
74110—H. G. McGonegal—Pavement.

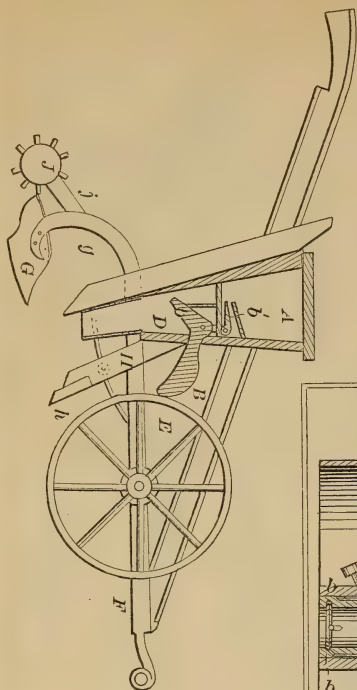
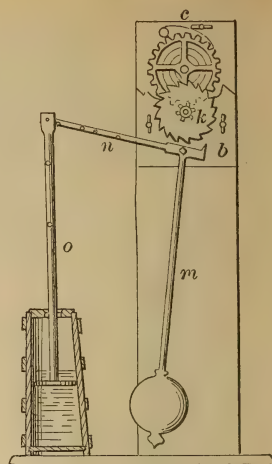
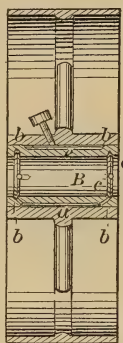
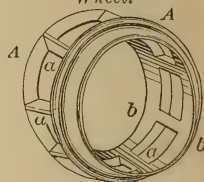
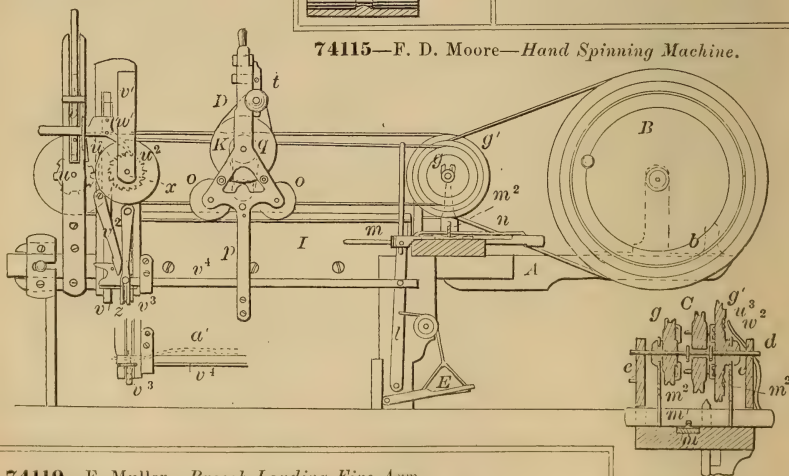
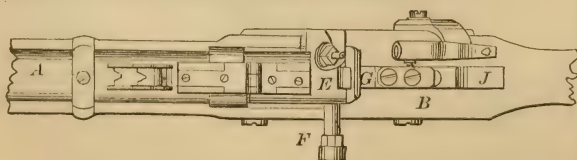


74107—W. May—Truck.

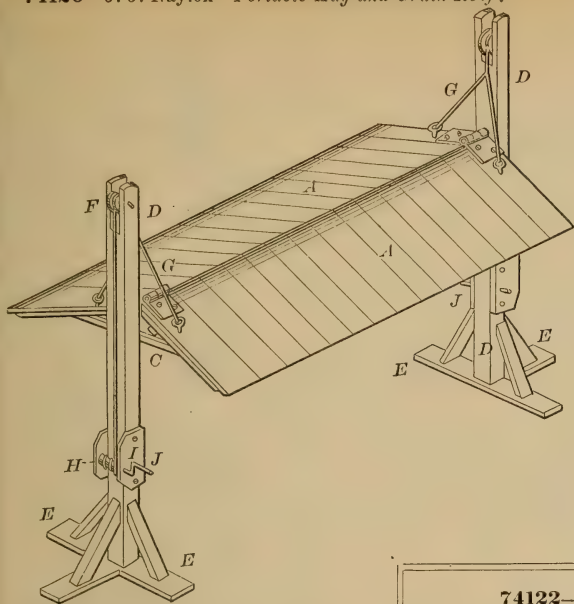


74111—J. McKibben—
Snap Hook.

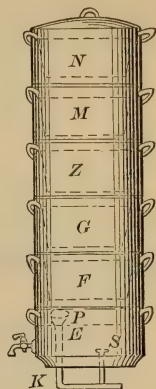


74112—W. McLucas—*Corn Planter.*74114—J. H. Monce—*For Working Churns.*74116—Morris & McCreary—*Lubricator for Loose Pulleys.*74117—W. F. Morton—*Carriage Wheel.*74115—F. D. Moore—*Hand Spinning Machine.*74119—F. Muller—*Breech Loading Fire Arm.*

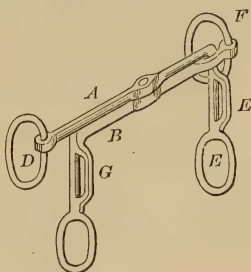
74120—J. J. Naylon—*Portable Hay and Grain Roof.*



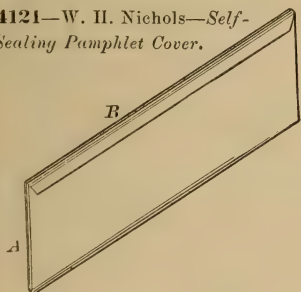
74123—J. W. Patterson—*Culinary Vessel.*



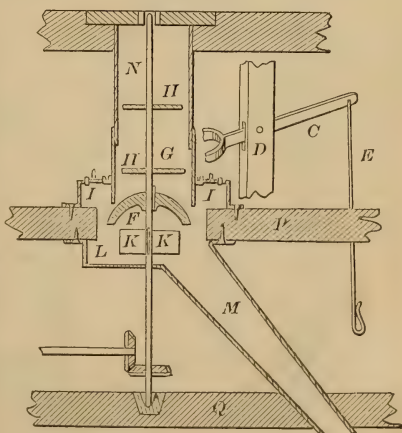
74122—J. K. Norton—*Bridle Bit.*



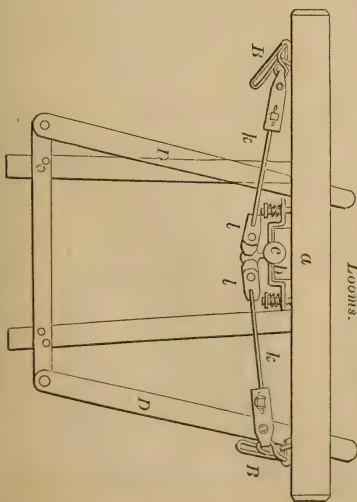
74121—W. H. Nichols—*Self-Sealing Pamphlet Cover.*



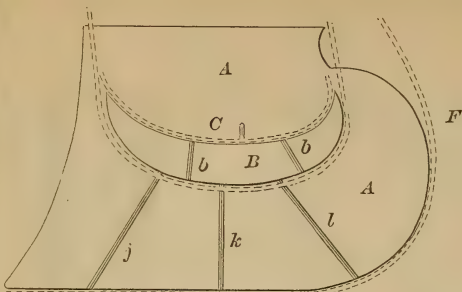
74125—W. Pickens—*Bolt Feeder and Cooler.*



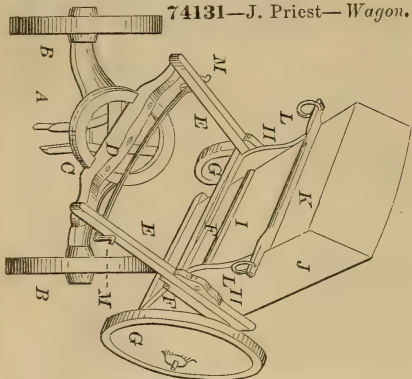
74124—E. & H. C. Phillips—*Picker Stiff Check for Looms.*



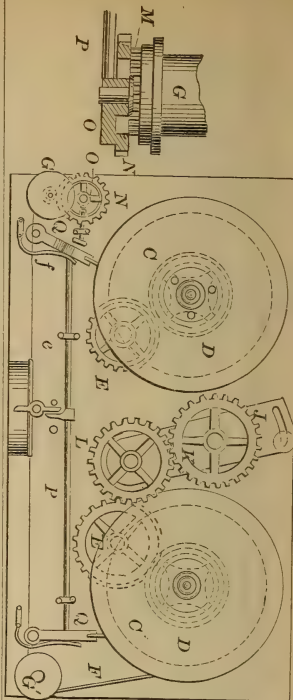
74126—D. Pierce—Pattern for Drafting Sleigh Bodies.



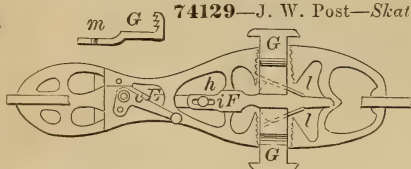
74131—J. Priest—Wagon.



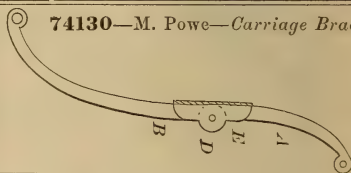
74127—A. & M. Piv—Station Indicator.



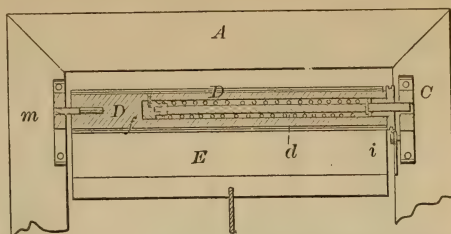
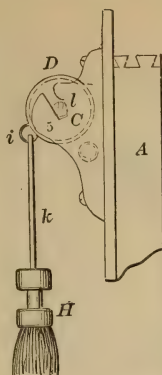
74129—J. W. Post—Skate.



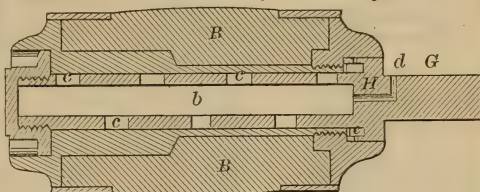
74130—M. Powe—Carriage Brace.



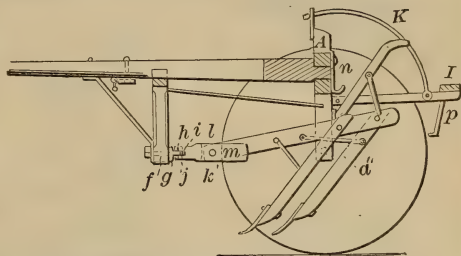
74135—S. S. Putnam—*Curtain Fixture.*



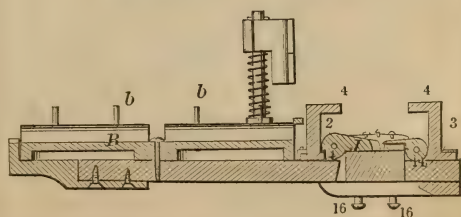
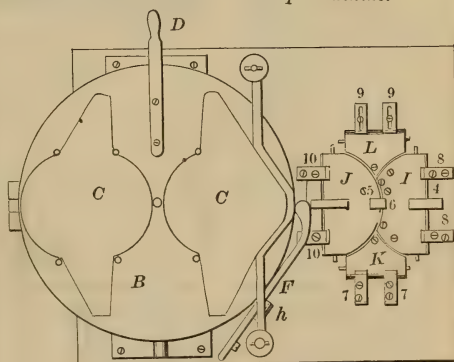
74134—S. S. Putnam—*Self-Lubricating Axle.*



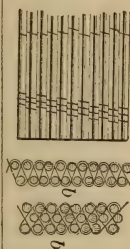
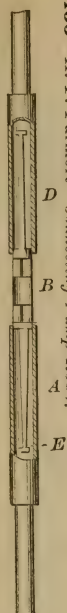
74138—J. C. Rickard—*Cultivator.*



74140—A. A. Rheutan—*Envelope Machine.*

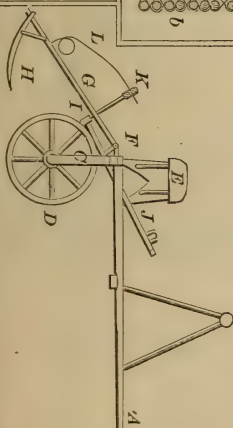


74133—H. F. Putnam—*Connecting Pump Rods.*

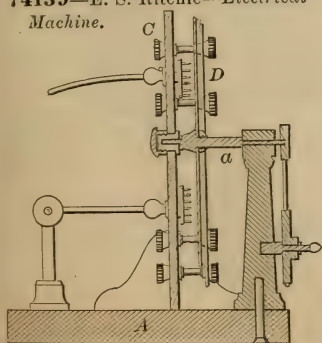


74137—E. F. Richman—*Woven Fabric.*

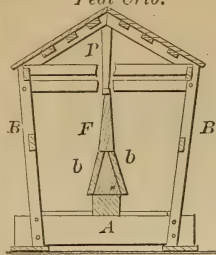
74136—O. E. Randall—*Horre Rake.*



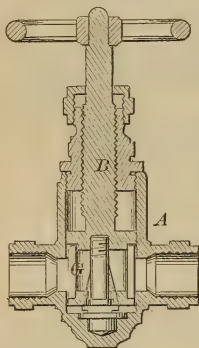
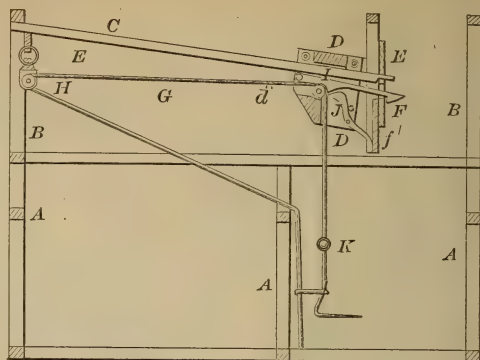
74139—E. S. Ritchie—*Electrical Machine.*



74141—M. S. Roberts—*Peat Crib.*

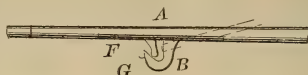


74142—G. M. Robinson—*For Operating Horse Hay Forks.*

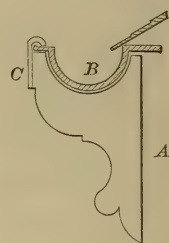
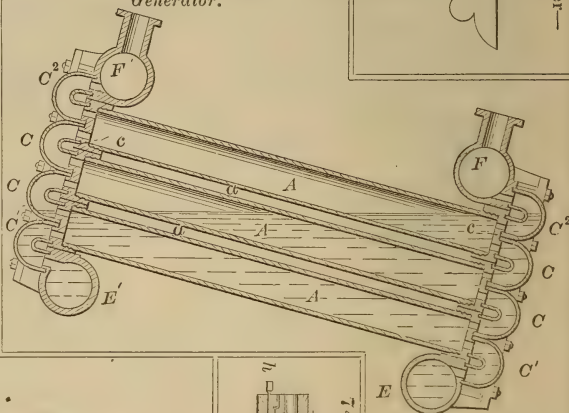


74144—E. A. Rook—*Globe Steam Valve.*

74143—N. W. Robinson—*Hold-Back Hook.*

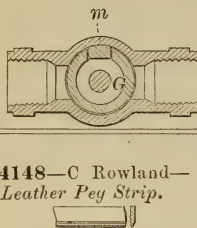


74146—J. B. Root—*Steam Generator.*

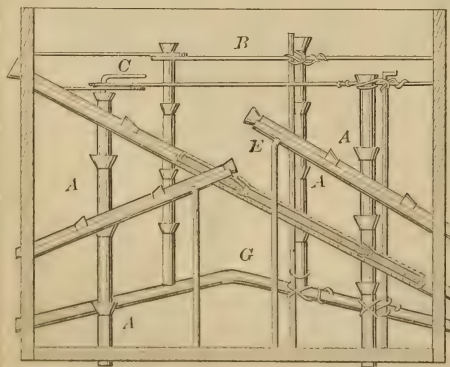


74145—J. E. Rohrer—*Bracket*

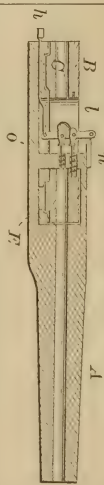
74148—C Rowland—*Leather Peg Strip.*



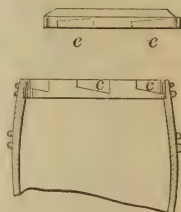
74149—J. Royal—*Drying and Ventilating Apparatus.*



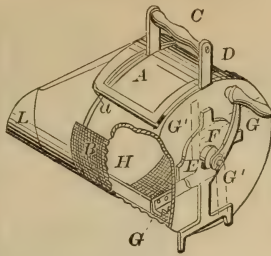
74152—A. Schausen—*Revolving Cannon.*



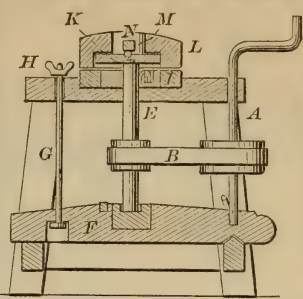
74150—H. D. Rumsey—*Barrel and Firkin.*



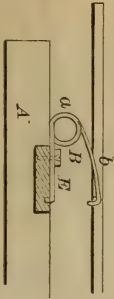
74157—G. W. & C. L. Sherman—*Flour Scoop and Sifter.*



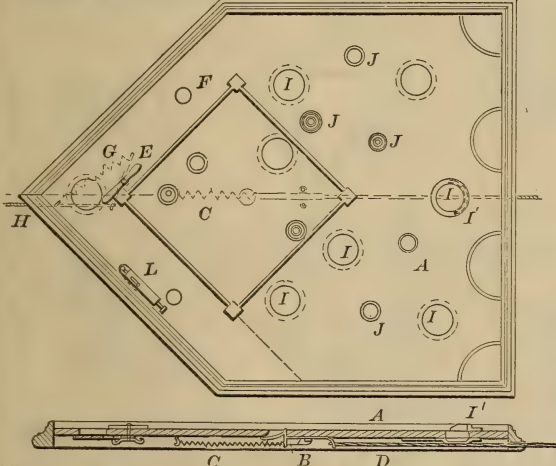
74161—J. Snyder—*Grinding Mill.*



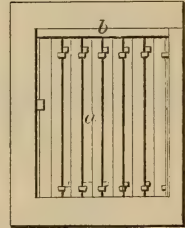
74153—Scott & Burdige—*Spring Bed Bottom.*



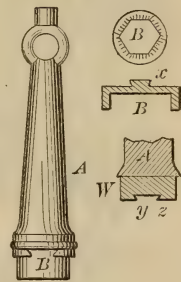
74154—F. C. Sebring—*Parlor Base Ball.*



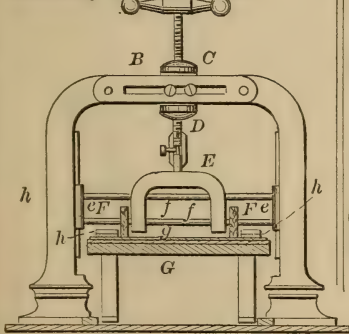
74155—S. J. Seely—*Metal Shutter.*



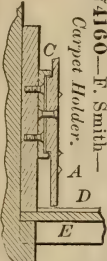
74156—J. M. Seymour—*Wrench.*

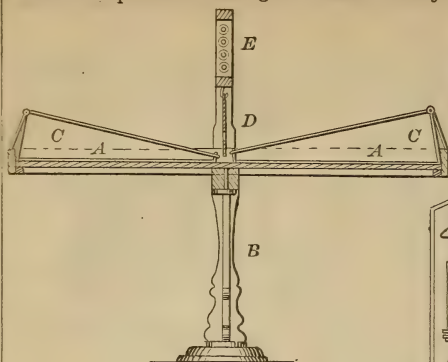
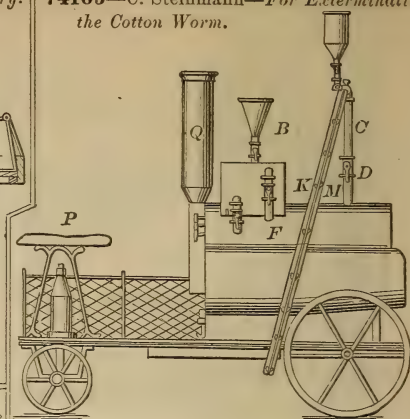
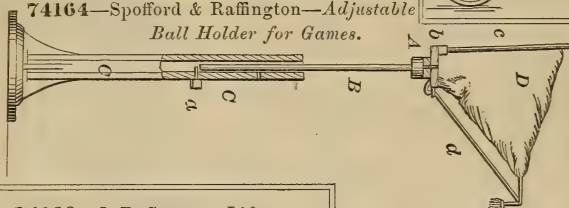
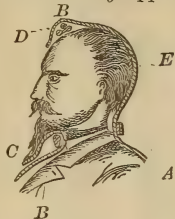
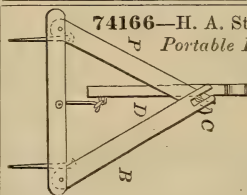
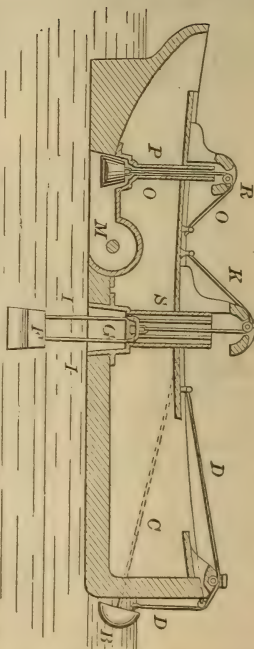


74159—Slaughter & Hundt—*For Embossing Window Shades.*

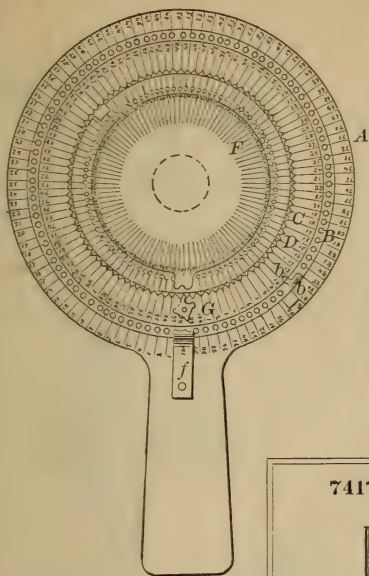


74160—F. Smith—*Carpet Holder.*

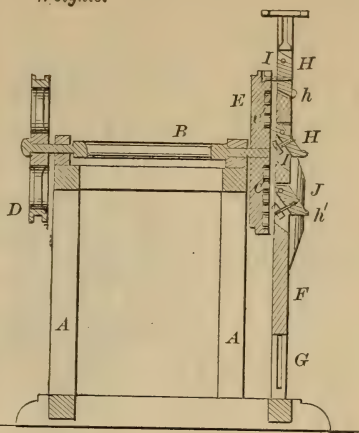


74163—Spofford & Raffington—*Pistol Gallery.*74165—C. Steinmann—*For Exterminating the Cotton Worm.*74164—Spofford & Raffington—*Adjustable Ball Holder for Games.*74168—J. B. Stoner—*Life Preserving Apparatus.*74166—H. A. Stewart—*Portable Fence.*74167—P. Stone—*Box Opener.*74169—J. B. Stoner—*Ballasting Vessels.*

74170—T. T. Strode—*Calculating Machine.*



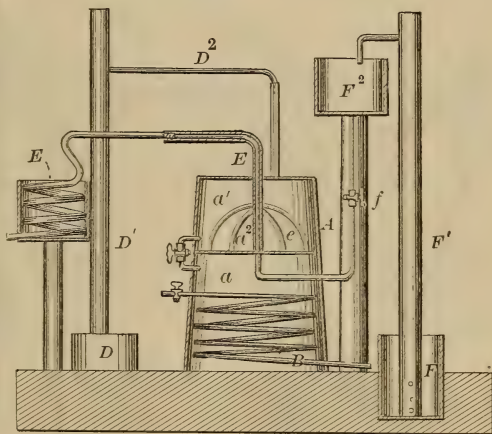
74173—S. E. Tuttle—*For Raising Heavy Weights.*



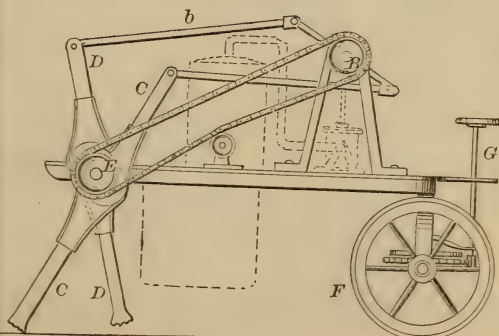
74172—C. B. Turner—*Rotary Steam Engine.*



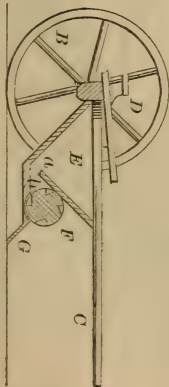
74174—R. L. Vance—*Vinegar Still.*

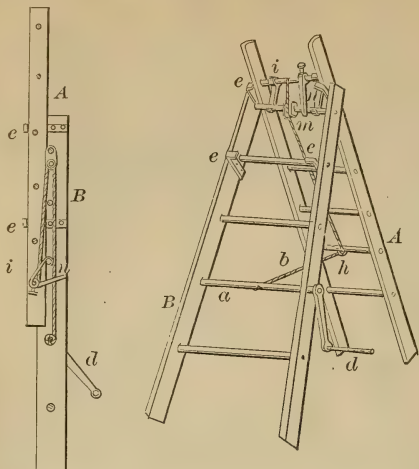
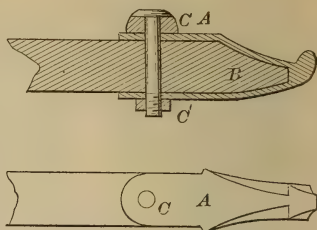
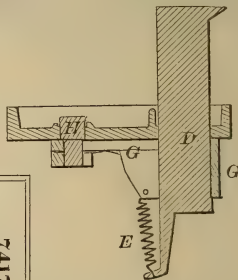
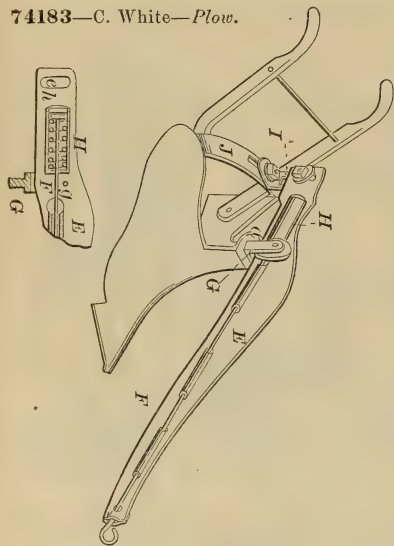
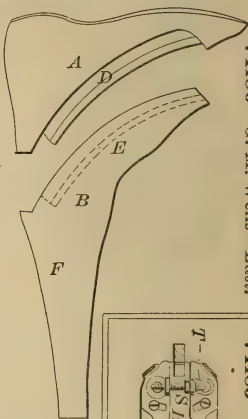
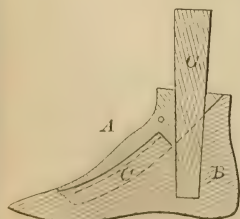
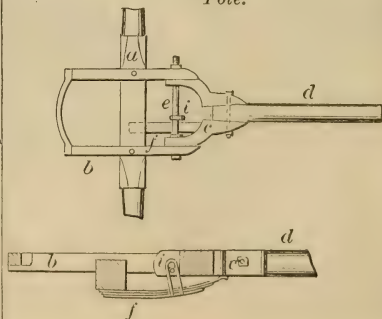
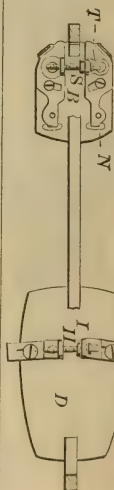


74176—R. C. Vernol—*Walking Vehicle.*

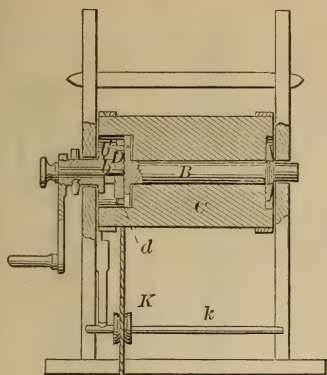


74171—S. Thomson—*Broadcast Seeding Machine.*

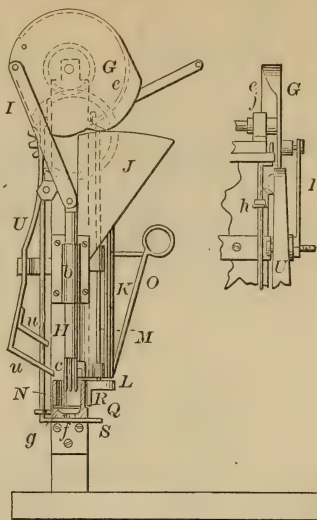


74177—G. S. Walker—*Step Ladder.*74178—Warburton & Bendir—*Spring Bar for Carriages.*74182—C. H. Weston—*Bench Hook.*74183—C. White—*Plow.*74179—C. M. H. Warren—*Pen Holder.*74180—G. M. Wells—*Last.*74181—G. M. Wells—*Last.*74184—S. B. Whitney—*Carriage Draft Pole.*74185—A. Woodham—*Skate Fastening.*

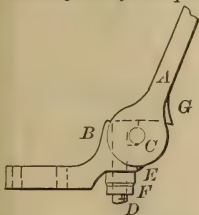
74186—C. F. Woodruff—*Water Elevator.*



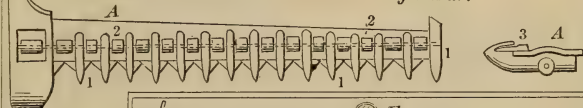
74187—R. Wright—*Cherry Stoner.*



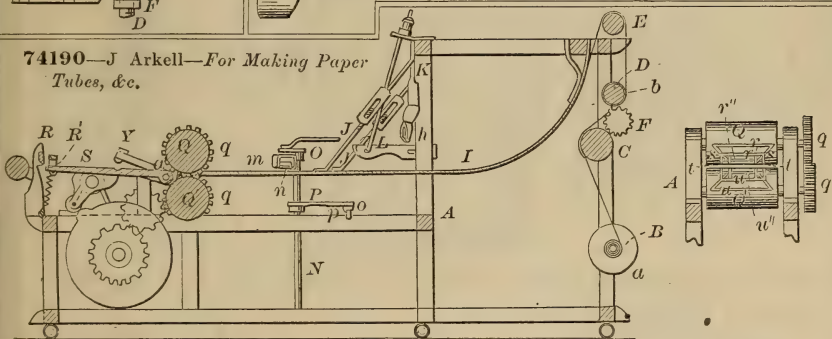
74189—E. A. Harvey—*Carriage Shaft Coupling.*



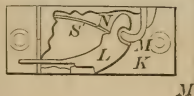
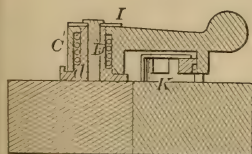
74191—J. J. Barnes—*Harvester Finger Bar.*



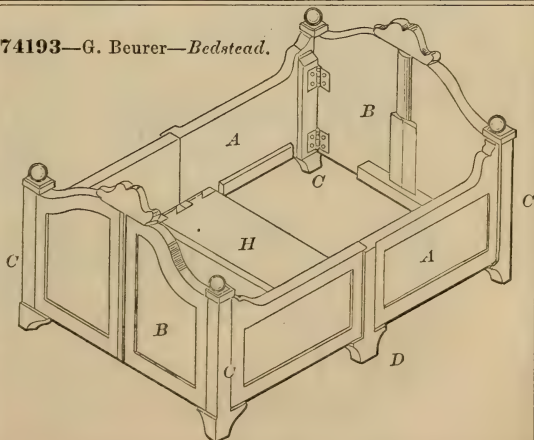
74190—J. Arkell—*For Making Paper Tubes, &c.*



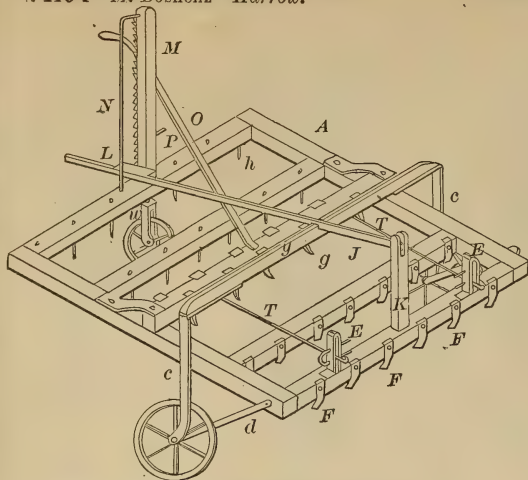
74192—R. Bates—*Window Sash Fastener.*



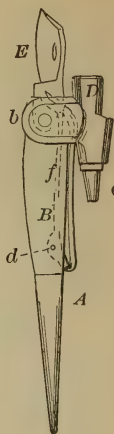
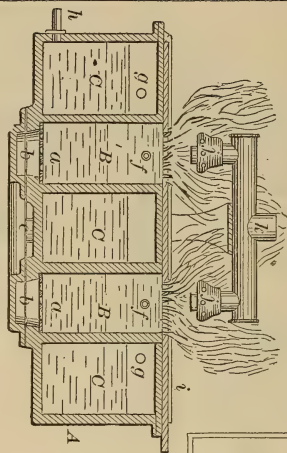
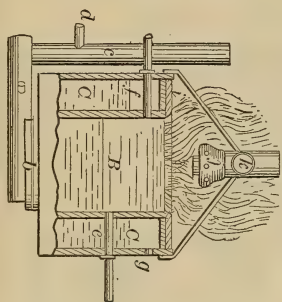
74193—G. Beurer—*Bedstead.*



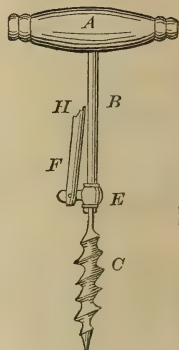
74194—M. Böshenz—Harrow.



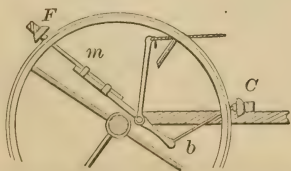
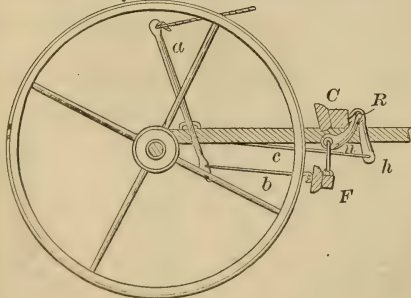
74197—J. T. Carson—Belt Punch.

74196—C. Carpenter, Jr.—
Hydro-Carbon Burner.

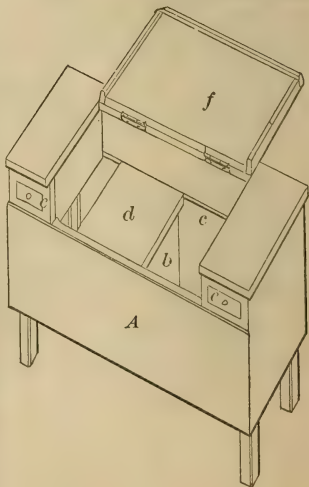
74199—S. E. Clapp—Corkeew.



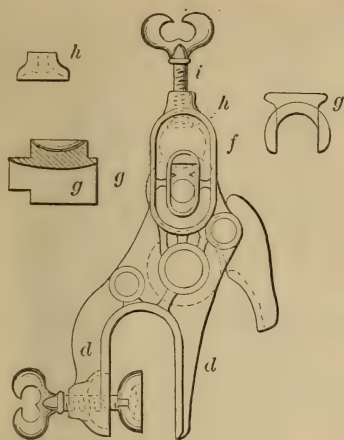
74198—E. M. Chumard—Wagon Brake.



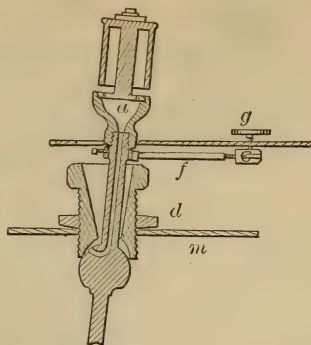
74200—T. J. Corr—Meal Chest.



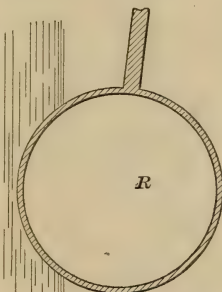
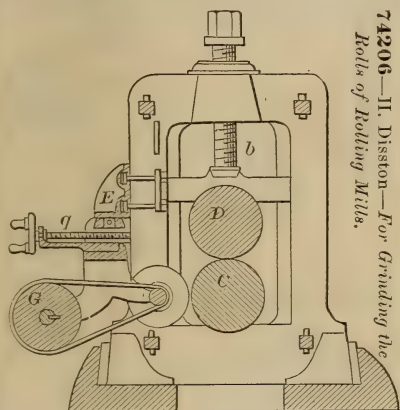
74201—E. H. Covel—Clothes Wringer.



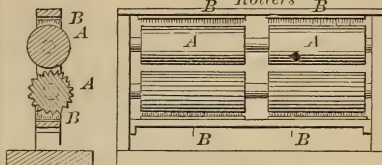
74204—C. Delafield—Water Gauge.



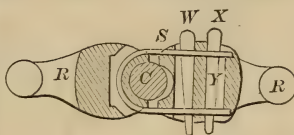
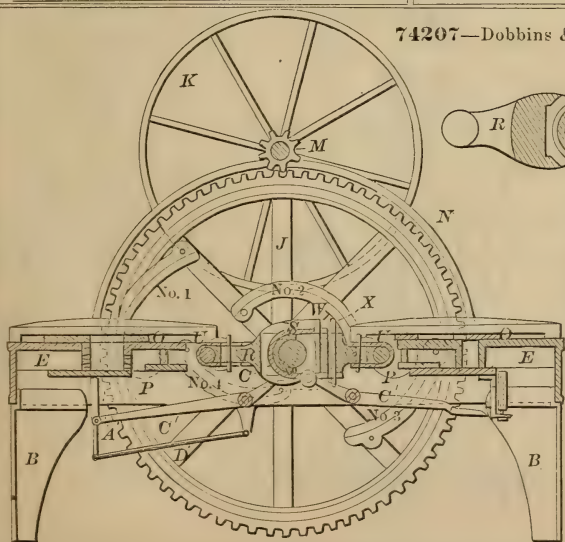
74206—H. Diston—For Grinding the
Rolls of Rolling Mills.



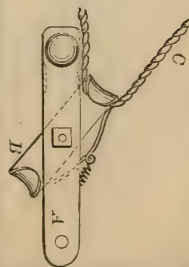
74202—D. Crowley—Cleaner for Drawing
Rollers B



74207—Dobbins & Richards—Brick Machine.



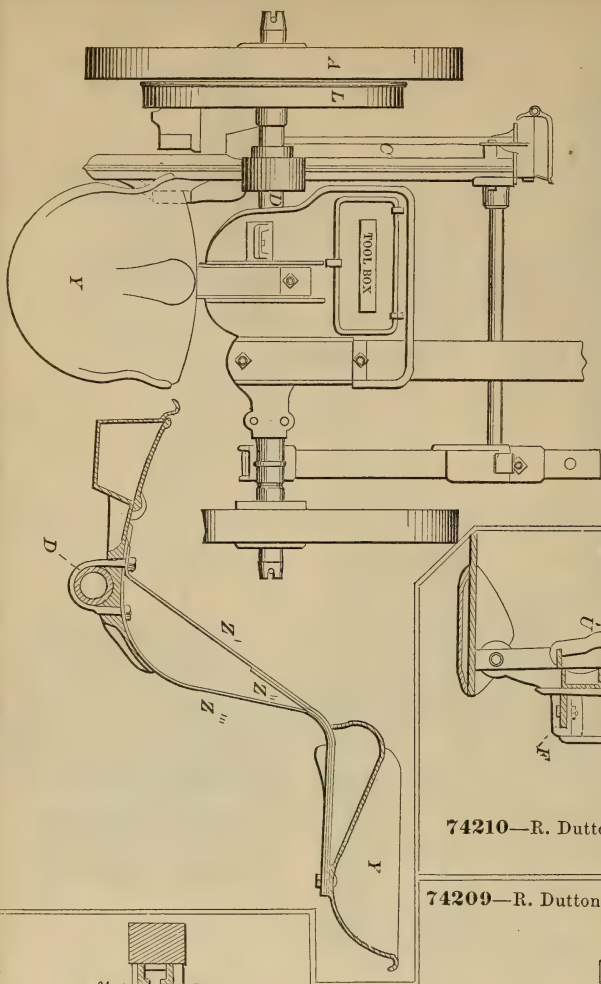
74203—W. P. W. Dana—Line Fastener.



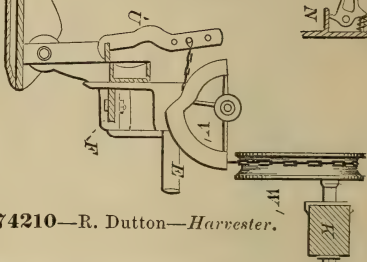
74211—R. Dutton—Harvester Cutting Apparatus.



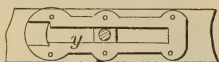
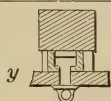
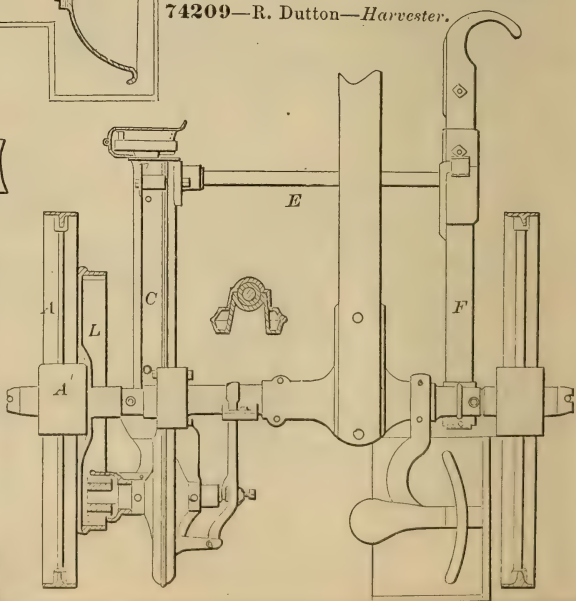
74208—R. Dutton—Harvester.



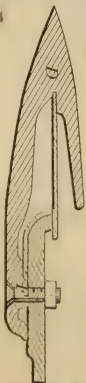
74210—R. Dutton—Harvester.



74209—R. Dutton—Harvester.



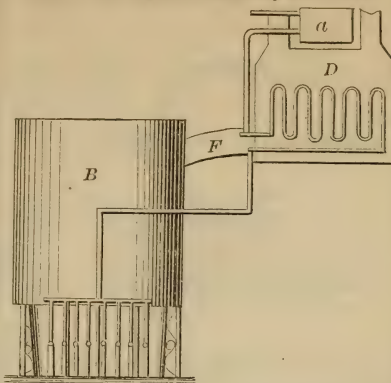
74212—R. Dutton—Harvester Cutting Apparatus.



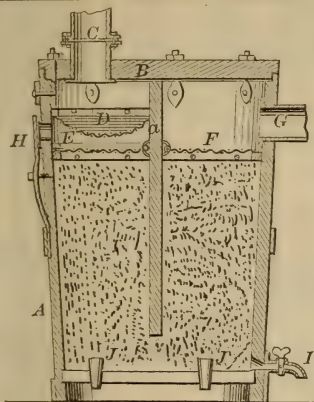
74213—R. Dutton—Harvester
Cutting Apparatus.



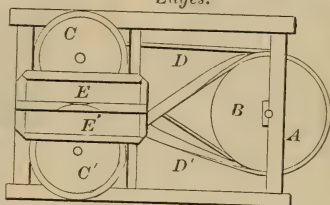
74217—A. Hamar—Smelting Iron Ore.



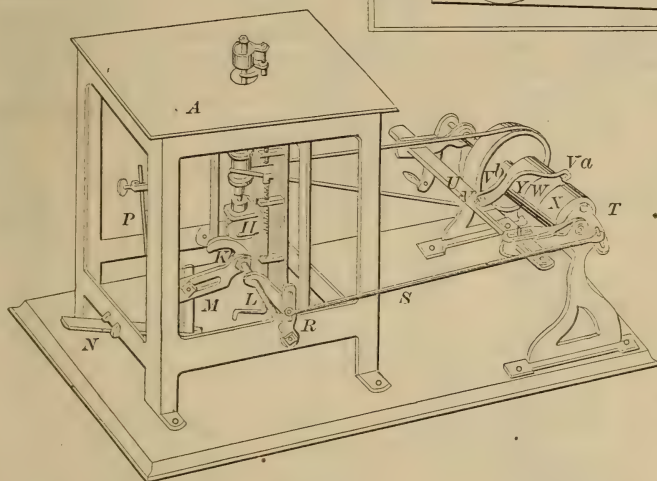
74215—Ganner & Bader—Cistern Filter.



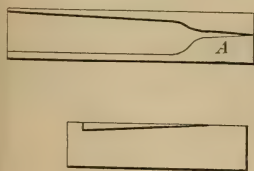
74216—S. Hagaman—For Beveling Slate
Edges.



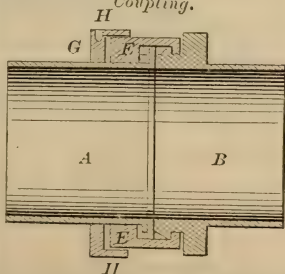
74218—D. A. Harris—Wood Planing
Machine.



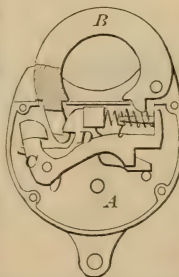
74214—W. Fosket—For
Grinding Cutlery.



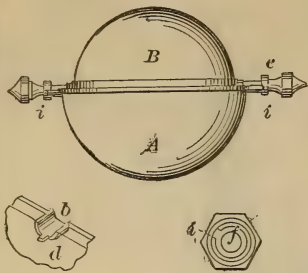
74219—C. F. Hartwig—Hose
Coupling.



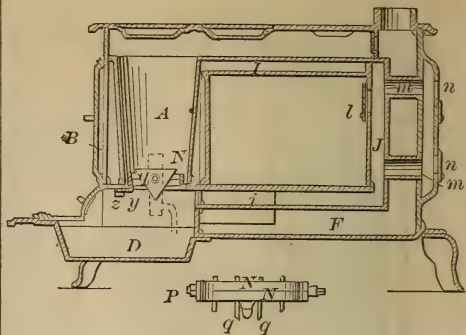
74220—W. Harvey—Padlock.



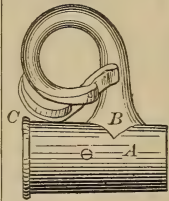
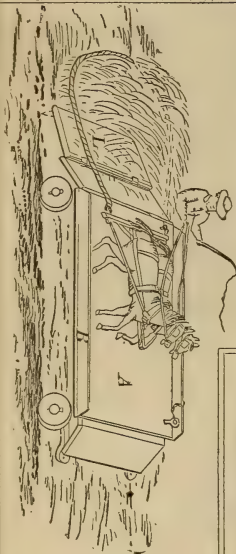
74221—W. E. Hawkins—Butter Dish.



74228—J. L. Kastendike—Cooking Stove.

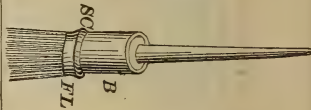


74226—H. Hull—Hay Loader.



74222—W. H. Hawley—Whiffletree Hook.

74224—G. Hergesheimer—Brush Bridle.



74227—S. E. Jewett—Operating Window Shutters.

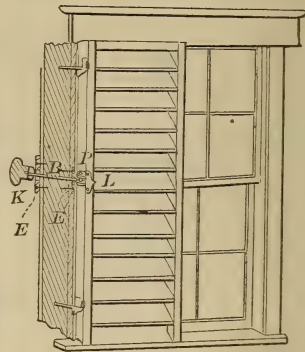
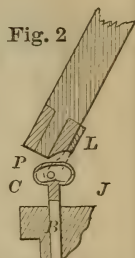
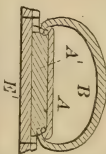
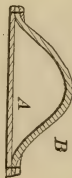


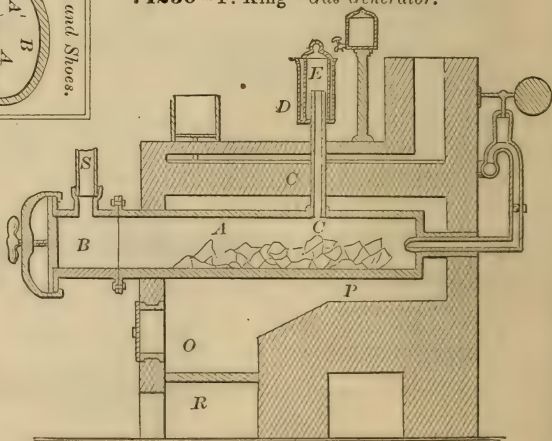
Fig. 2



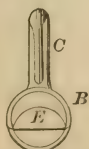
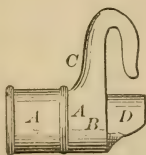
74229—W. & J. Keats—Boots and Shoes.



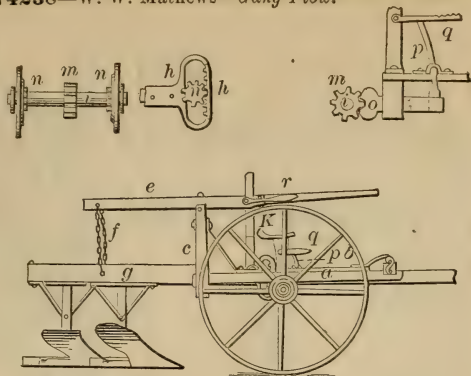
74230—F. King—Gas Generator.



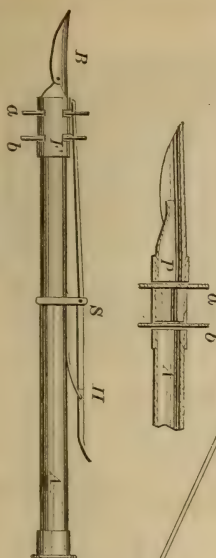
74223—W. H. Hawley—Whiffletree Hook.



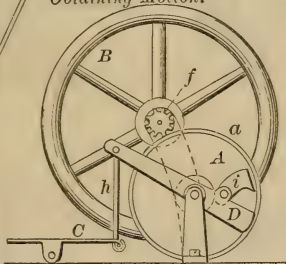
74238—W. W. Mathews—Gang Plow.



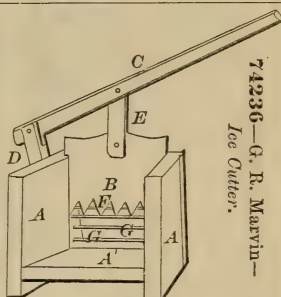
74231—J. S. Lawson—Hand Corn Planter.



74234—S. Marden—For Obtaining Motion.



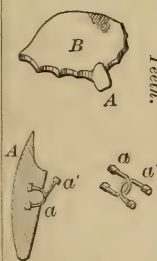
74236—G. R. Marvin—Ice Cutter.



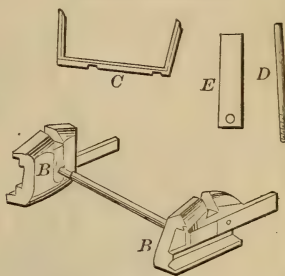
74233—D. Manuel—For Making Wire Springs.



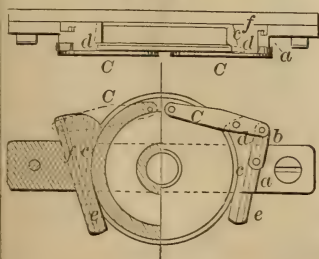
74237—J. A. Mason—Festening Teeth.



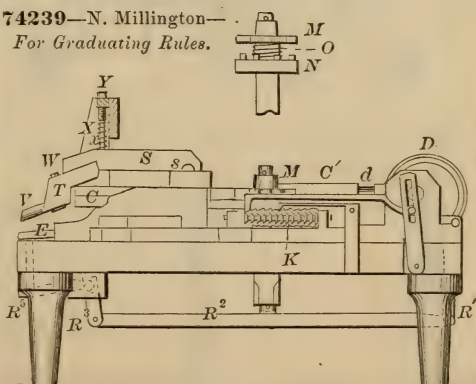
74232—J. S. Lehman—Bag Holding Apparatus.



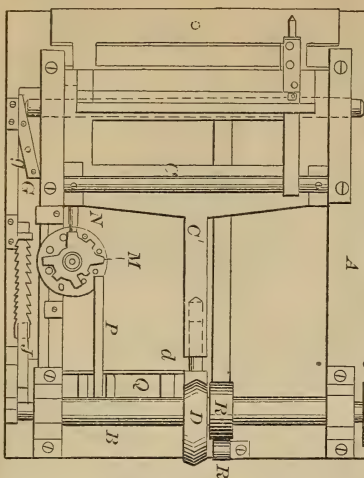
74235—S. Marden—Car Brake.



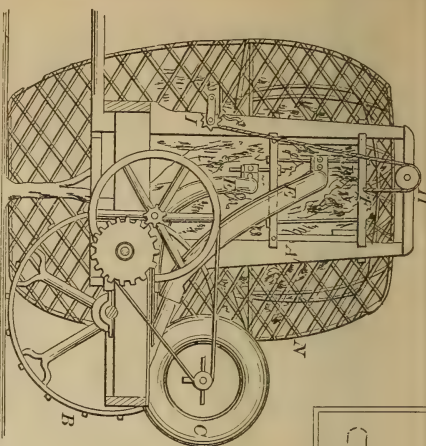
74239—N. Millington—For Graduating Rules.



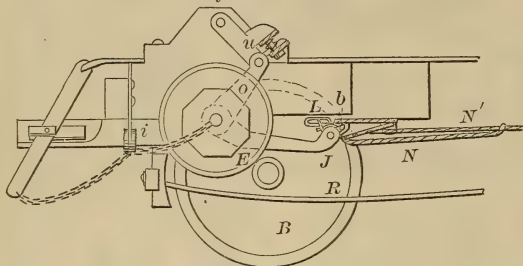
74239—Continued.



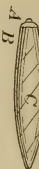
74242—Payne & Vandecar—Cotton Picker.



74240—Moore & Gary—Car Brake.



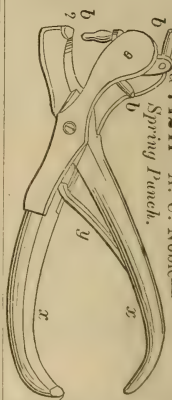
74246—C. Quayley—Cigar.



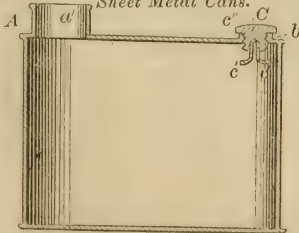
74243—Pond & Ballentine—Wedge Buckle.



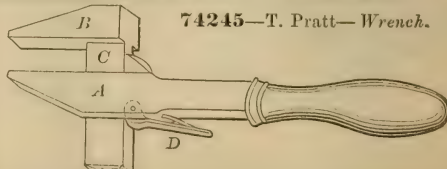
74241—A. U. Noble—Spring Punch.



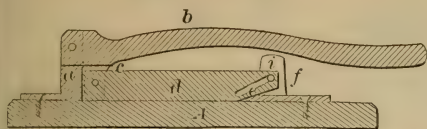
74244—R. Porter—Vent for Sheet Metal Cans.



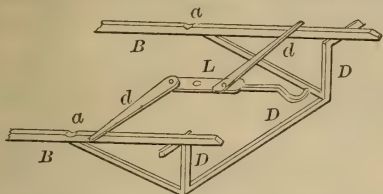
74245—T. Pratt—Wrench.



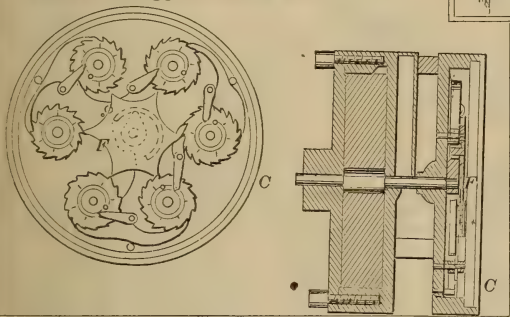
74248—D. T. Robinson—*For Cutting Tobacco.*



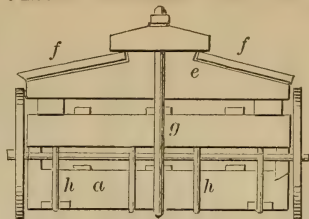
74251—G. R. & C. H. Sneath—*Tilting Wagon.*



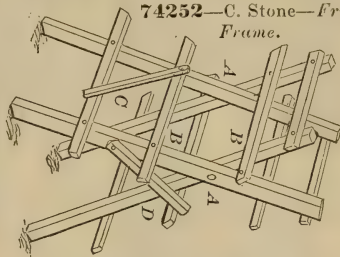
74254—J. Taggart—*Water Meter.*



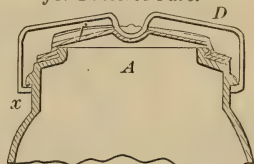
74255—D. E. Teal—*Peat Car.*



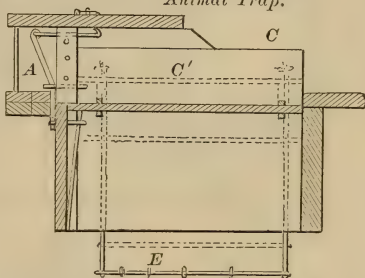
74252—C. Stone—*Fruit Frame.*



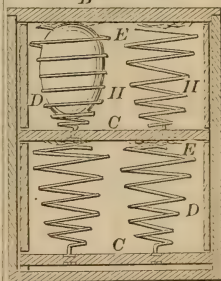
74249—S. B. Rowley—*Cap for Preserve Jars.*



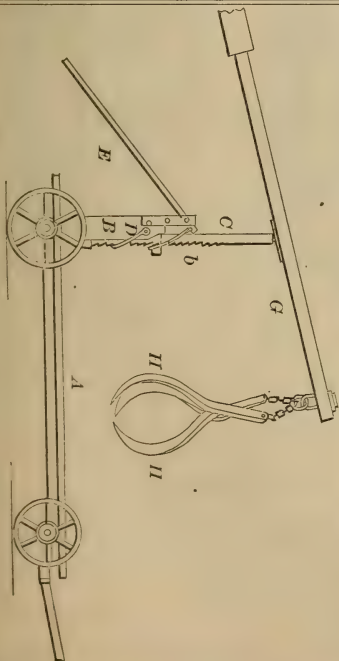
74256—A. C. Thomas—*Animal Trap.*



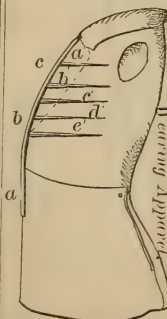
74257—A. Thomas—*Packing Eggs, &c.*



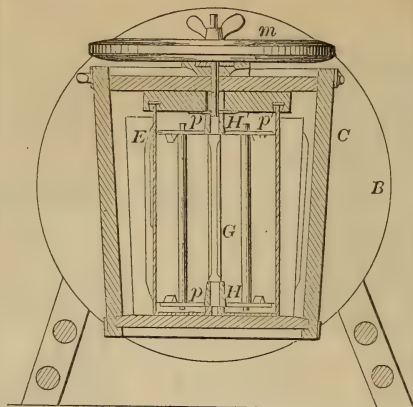
74253—J. Sutherland—*Wagon for Loading Logs, &c.*



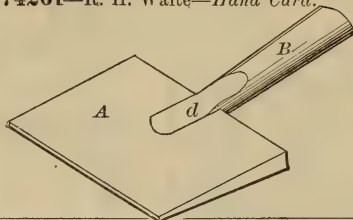
74250—J. Sloan—*For Stiffening Hearing Apsod.*



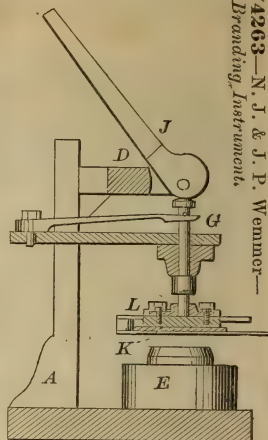
74259—J. Tingley—Ice Cream Freezer.



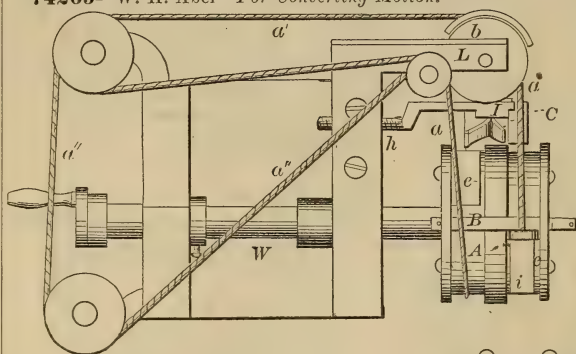
74261—R. H. Waite—Hand Card.



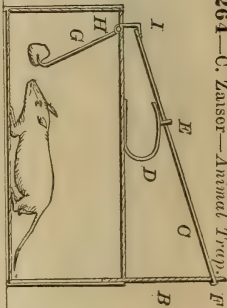
74258—J. S. Tilton—Sleeve for Brushes.

74263—N. J. & J. P. Wenner—
Branding Instrument.

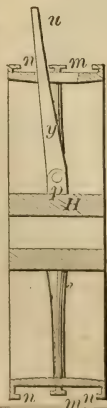
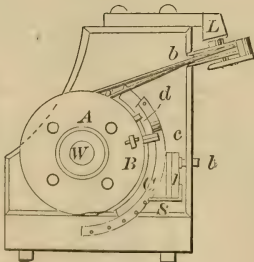
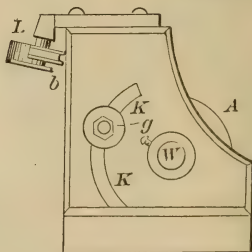
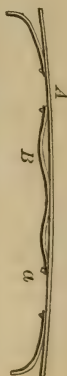
74265—W. H. Abel—For Converting Motion.



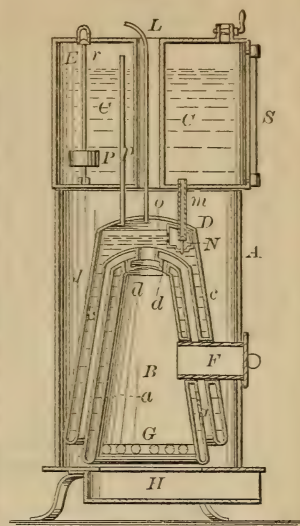
74264—C. Zaiser—Animal Trap.



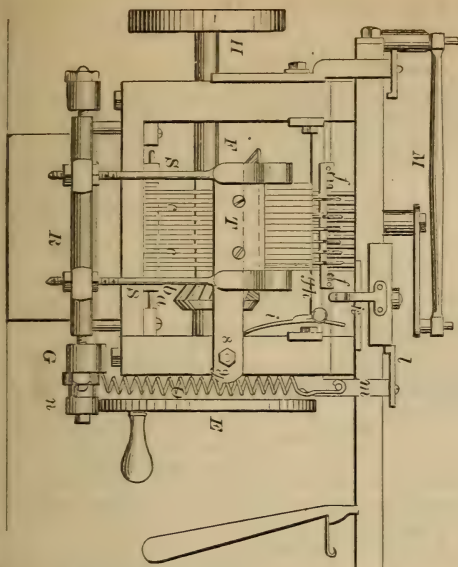
74262—O. H. Weed—Bedstead Slat.



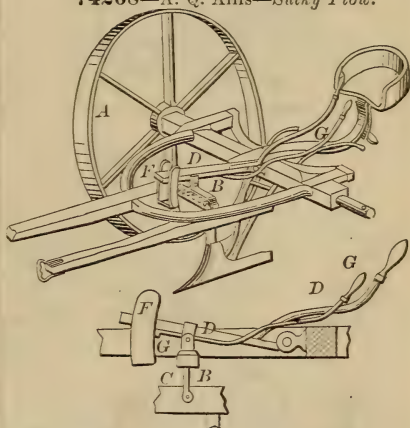
74269—V. D. Anderson—Steam Generator.



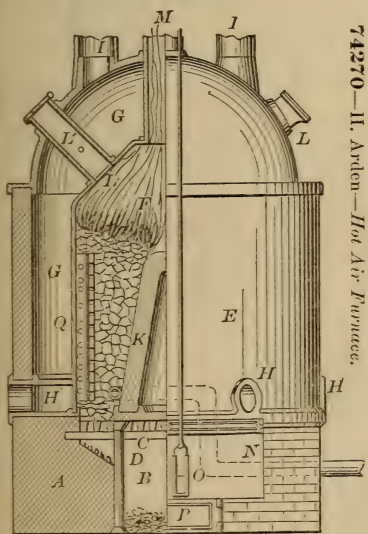
74266—W. H. Abel—Knitting Machine.



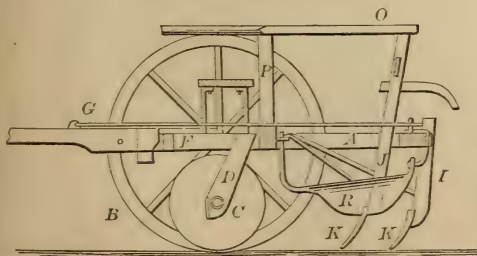
74268—A. Q. Allis—Sulky Plow.



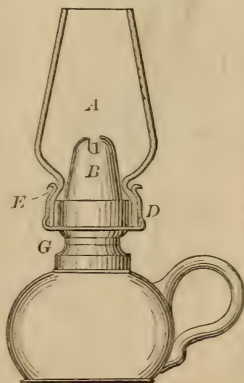
74270—H. Arden—Hot Air Furnace.

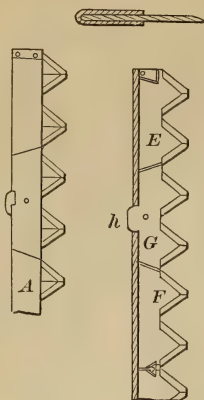
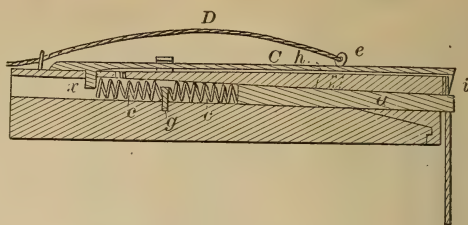
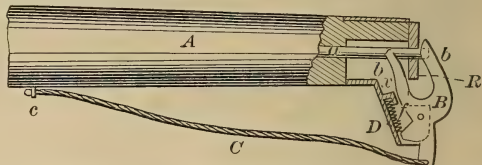
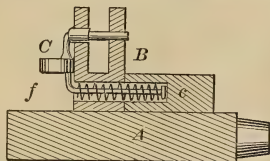
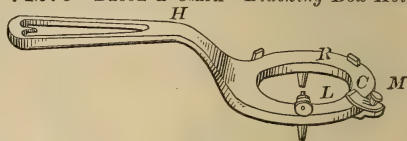
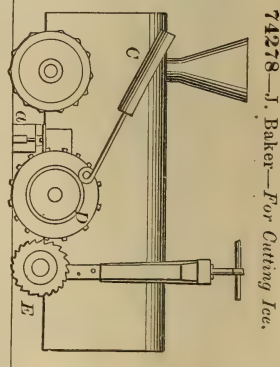
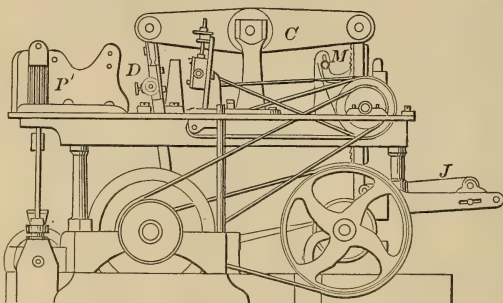
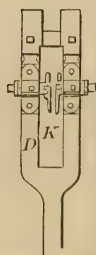
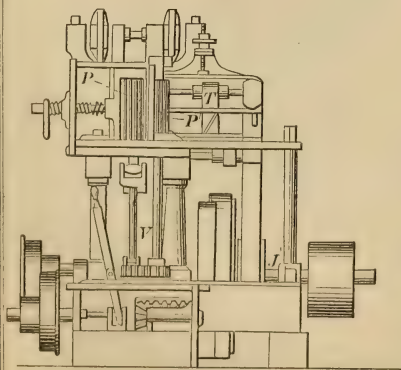
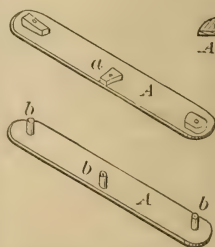
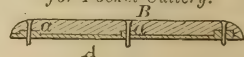


74267—J. A. Alley—Plow and Roller.

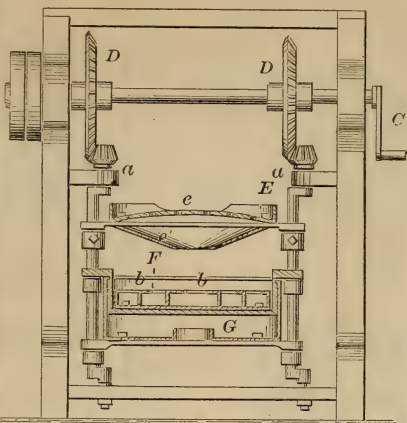


74271—Arnold & Brickman—Lamp.

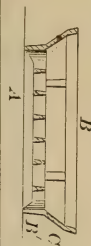


74272—J. Atkins—Harvester Cutter.**74273—D. Austin—Whiffletree.****74274—D. Austin—Whiffletree Tug.****74275—D. Austin—Shaft Coupling.****74276—Bacon & Clark—Blacking Box Holder.****74277—J. Baillie—Saw Mill.****74278—J. Baker—For Cutting Ice.****74279—S. Barnes—Handle for Pocket Cutlery.**

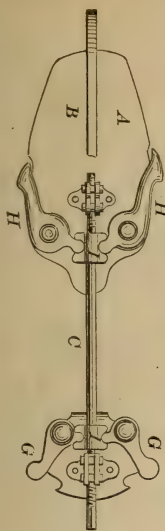
74281—S. L. Beckwith—For Washing Gold Ore.



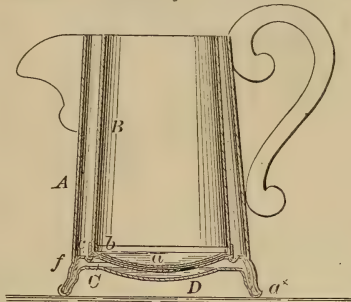
74282—C. H. Beeman, 2d—Potato Pucker.



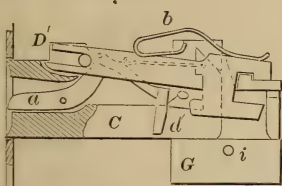
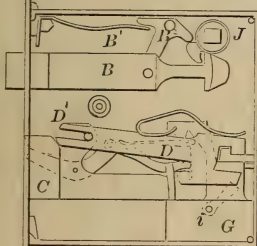
74280—P. G. Beckley—Skate.



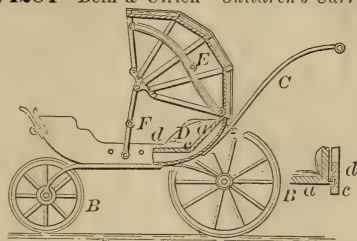
74285—W. Bellamy—Ice Pitcher.



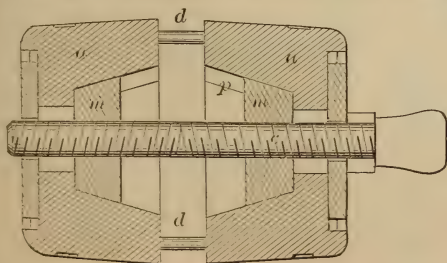
74283—J. Behel—Door Lock.



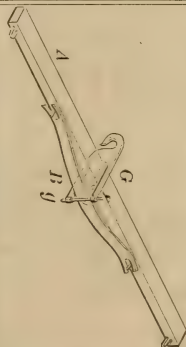
74284—Bein & Ulrich—Children's Carriage.

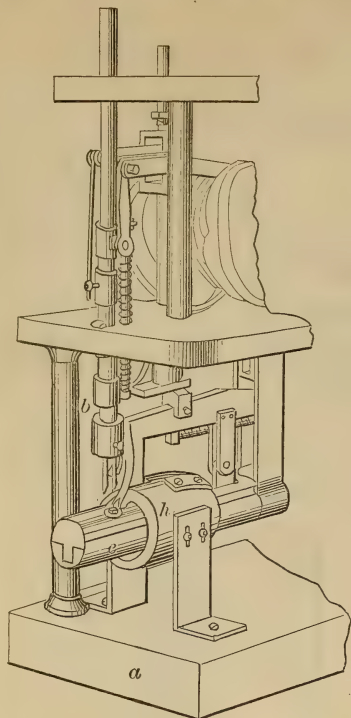
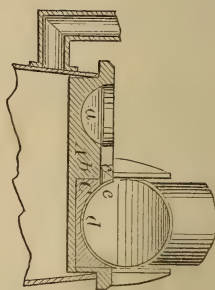
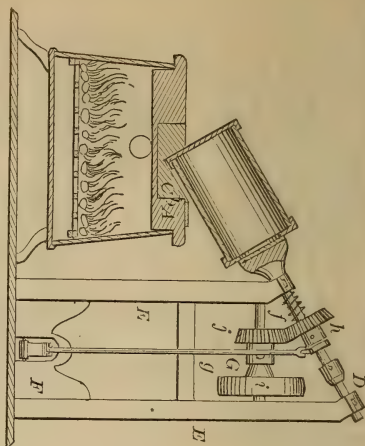
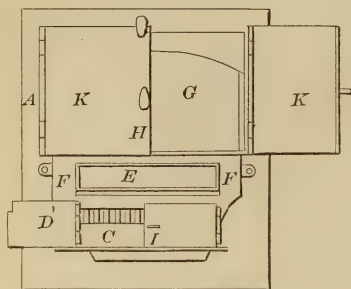
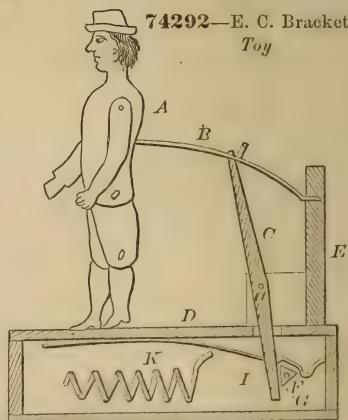
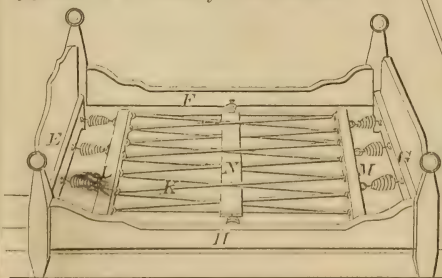


74286—E. W. L. Bellander—Forming Block for Muffs.

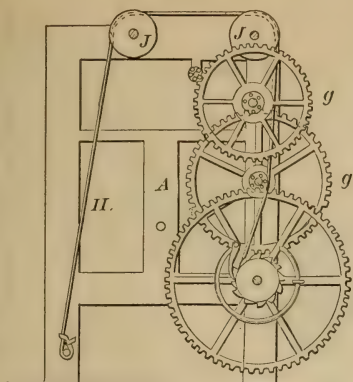


74287—L. G. Binkley—Whiffletree.

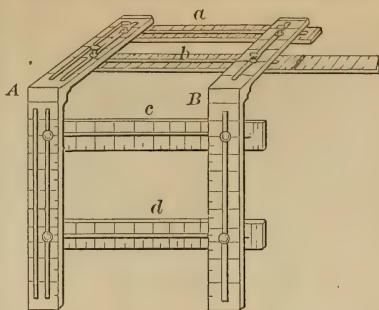


74289—L. R. Blake—*Sewing Machine.*74290—J. G. Borden—*For Soldering Tin Cans.*74291—D. K. Boswell—*Range.*74292—E. C. Brackett—*Toy*74293—F. S. Bradley—*Bed Bottom.*74294—F. H. Brown—*Necktie Holder.*

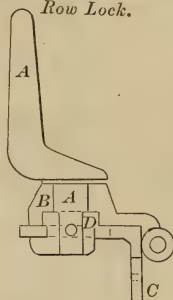
74295—I. W. Brown—*Motive Power.*



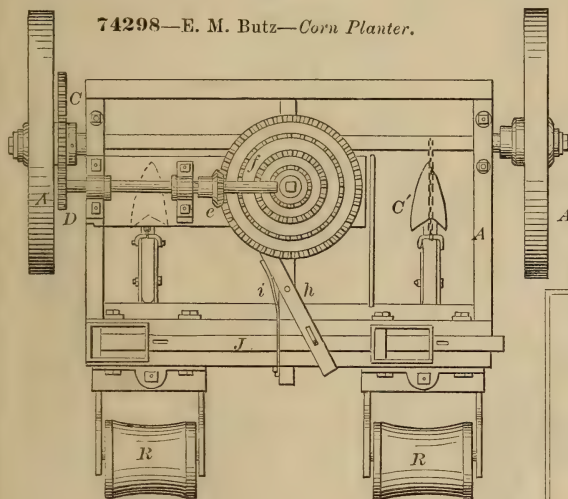
74297—N. W. Burnett—*Pattern Square.*



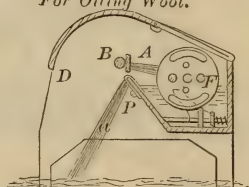
74296—G. W. Browne—*Row Lock.*



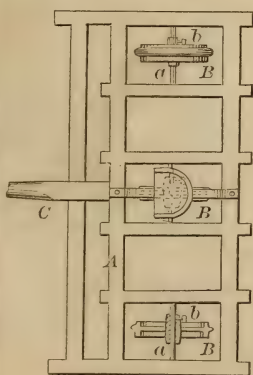
74298—E. M. Butz—*Corn Planter.*



74300—T. A. Campbell—*For Oiling Wool.*



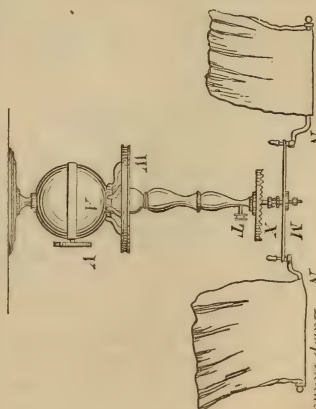
74302—J. M. Canterbury—*Field Marker.*

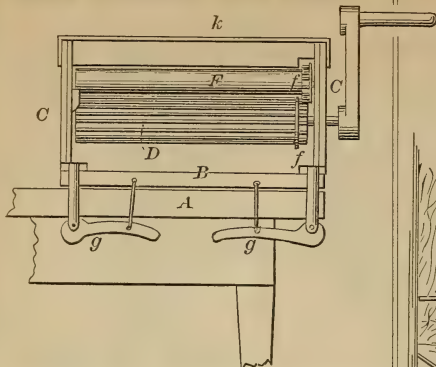
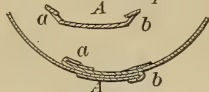
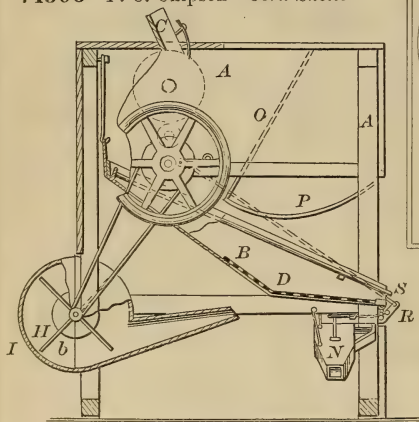
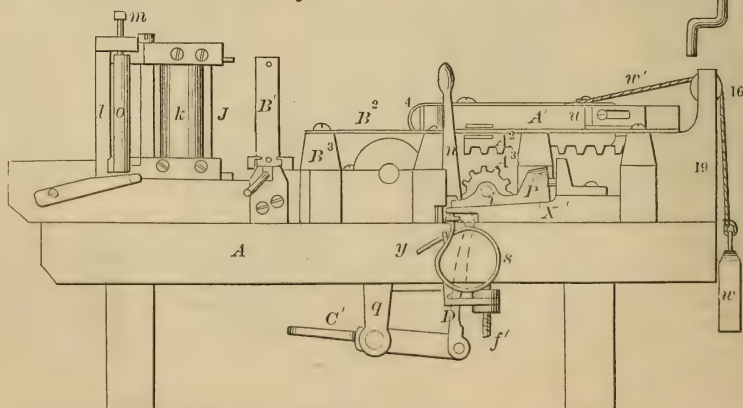
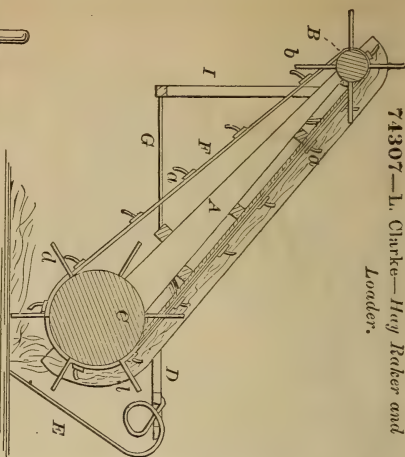
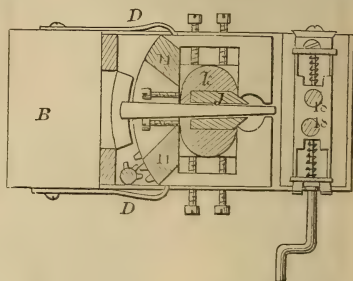
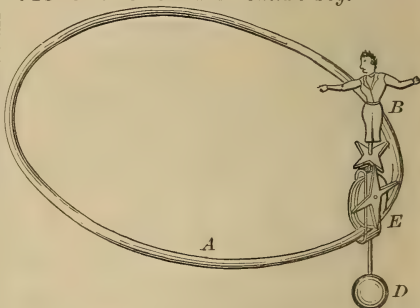


74301—C. E. Candee—*Paper Clip.*

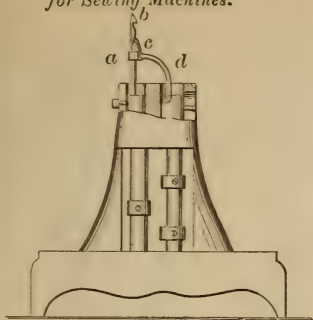


74303—T. W. Carmichael—*Pen, Table Caster, and Lamp Stand.*

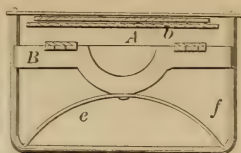


74304—A Castellaw—*Steak Crusher.*74305—J. Chase—*Lock for Barrel Hoops.*74306—P. C. Chipson—*Corn Sheller.*74309—W. S. Colwell—*For Dressing Staves.*74307—L. Clarke—*Hog Recker and Loader.*74308—E. T. Colburn—*Child's Toy.*

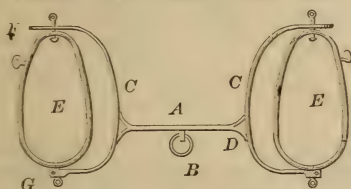
74310—E. M. Comery—*Cast-off for Sewing Machines.*



74311—Conant & Mauley—*Photographic Printing Frame.*



74316—E. K. Croffut—*Horse Yoke.*

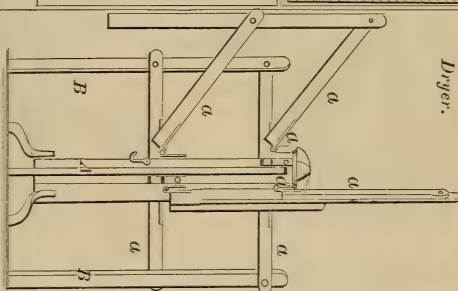


74315—J. S. Crane—*Button Hole Cutter.*

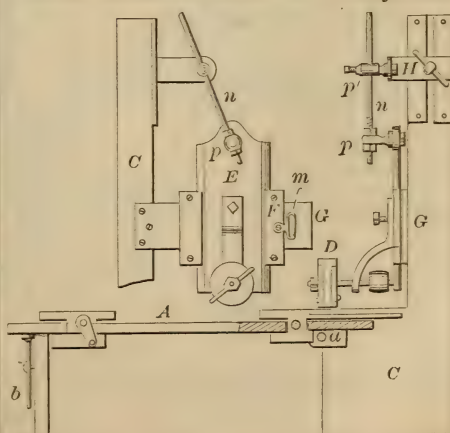
74312—J. B. Cornell—*Mechanic Column.*



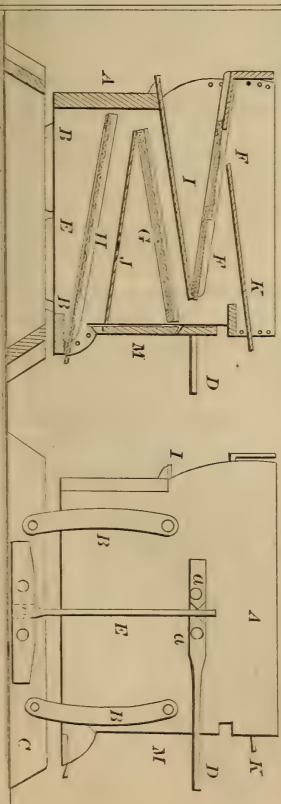
74318—L. N. Deal—*Clothes Dryer.*

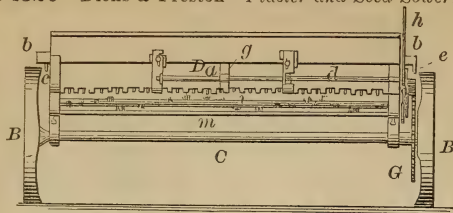
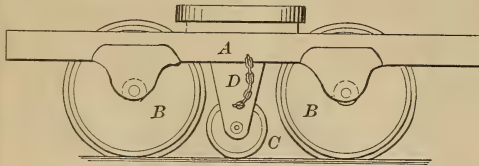
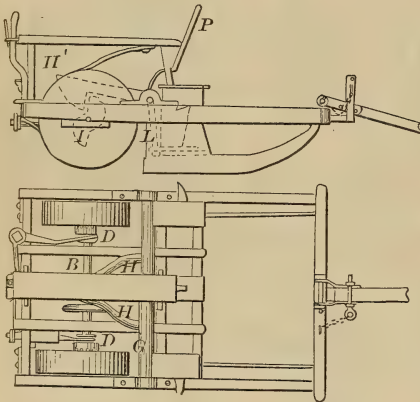
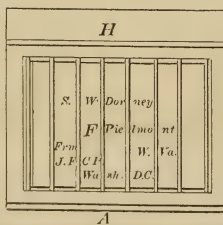
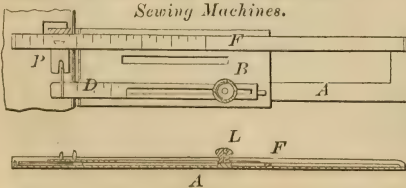
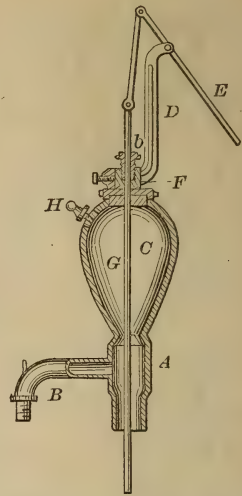
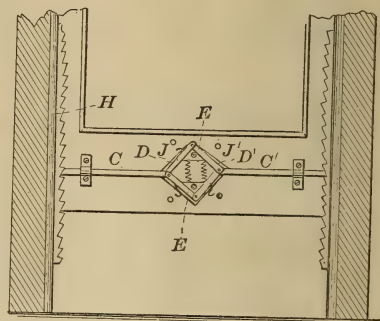
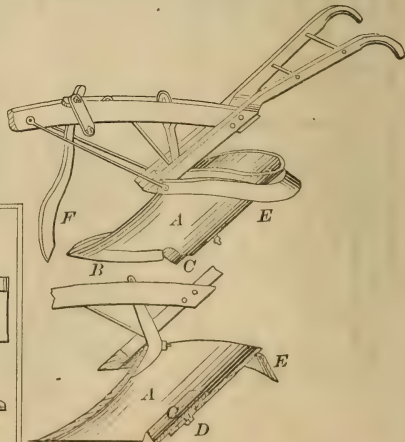


74319—De Bus & Johnson—*For Crozing Barrels.*

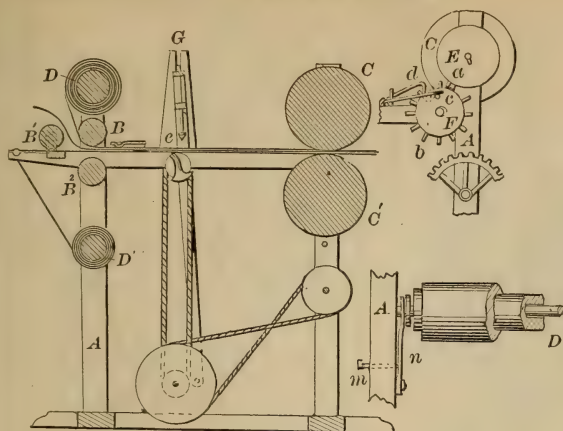


74313—J. Corson—*Grain Sieve.*

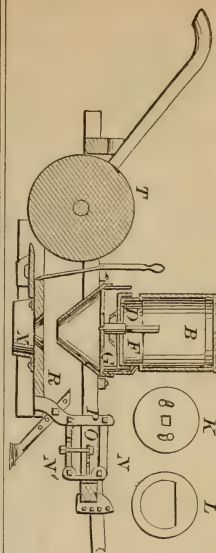


74320—Dicks & Preston—*Plaster and Seed Sower.***74325**—G. W. Eddy—*Railway Car.***74326**—P. Eidmann—*Corn Planter.***74322**—S. W. Downey—*Trunk Label.***74323**—M. A. Duffy—*Marking Gauge for Sewing Machines.***74321**—J. W. Douglas—*Pump.***74324**—A. R. Dyett—*Window Sash Stop.***74327**—W. P. Everdon—*Plow.*

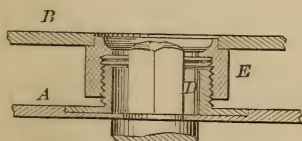
74328—J. F. Fales—For Sewing Carpet Lining.



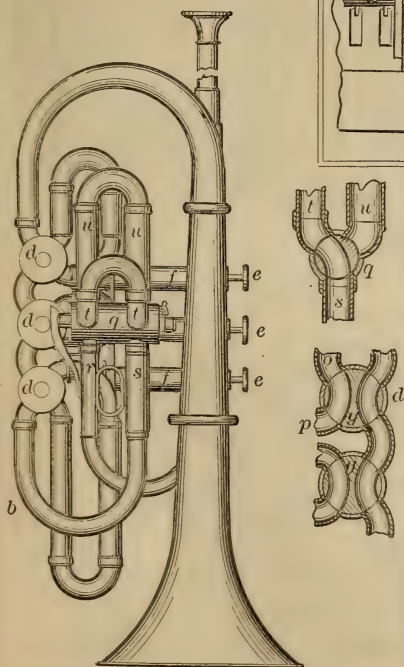
74334—N. Foster—Cotton Seed and Corn Planter.



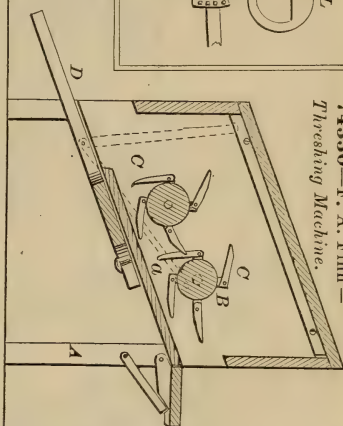
74329—W. Fenimore—Dust Cup for Watches.



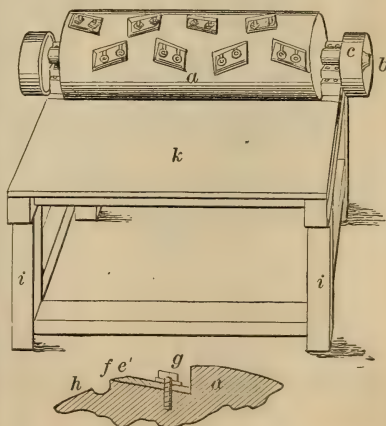
74331—I. Fiske—Cornet, &c.



74330—F. A. Finn—Threshing Machine.

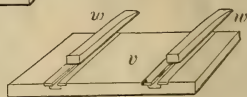
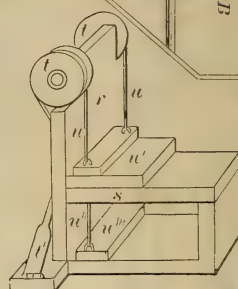
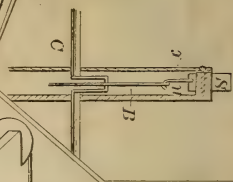
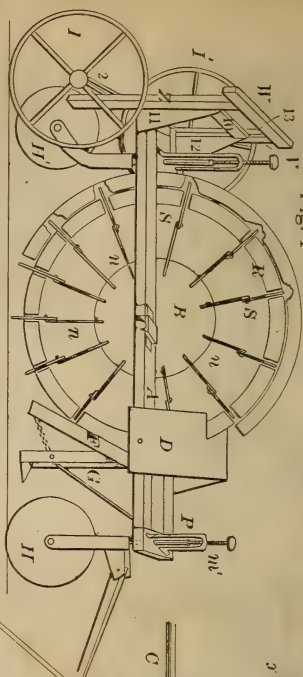
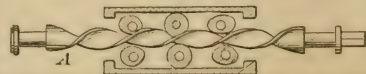
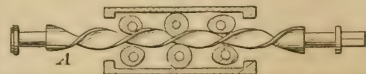
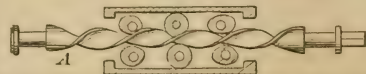
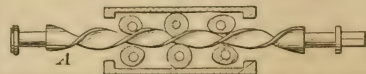
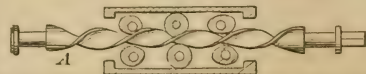
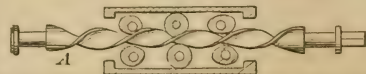
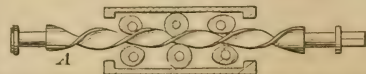
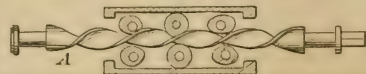
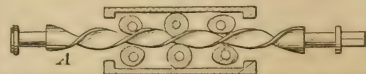
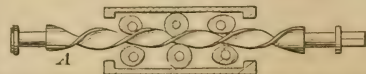
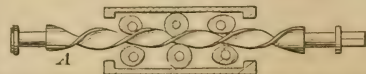
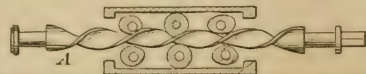
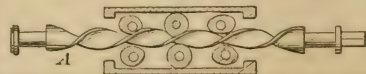
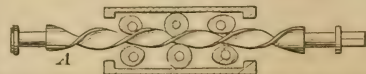
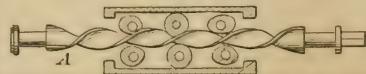
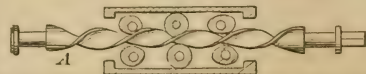
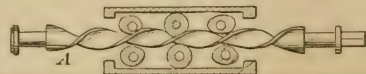
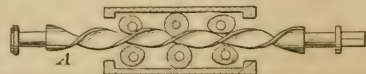
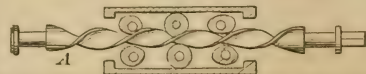
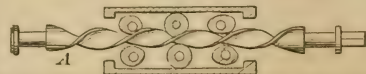
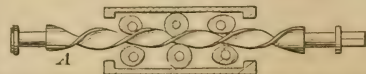
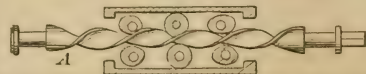
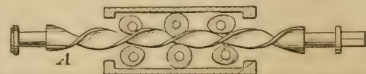
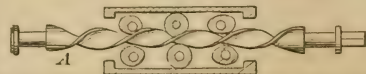
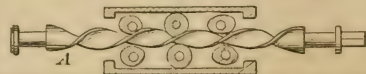
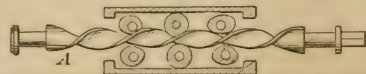
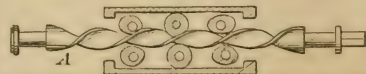
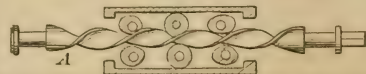
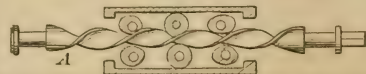
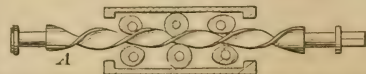
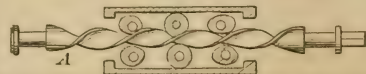
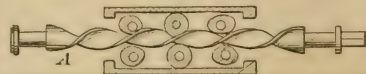
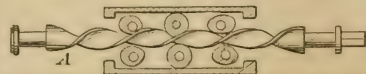
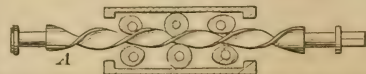
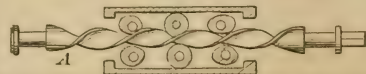
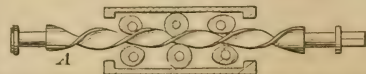
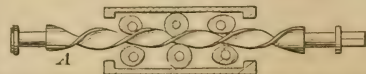
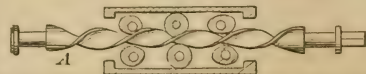
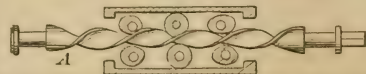
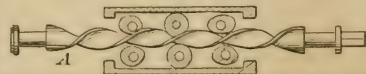
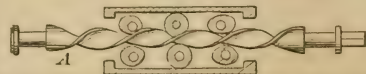
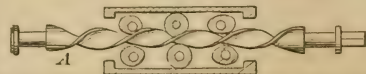
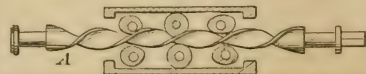
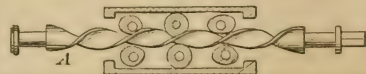
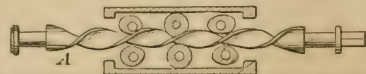
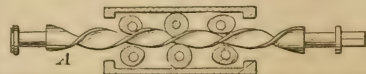
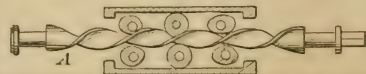
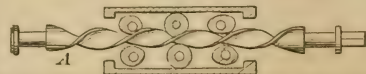
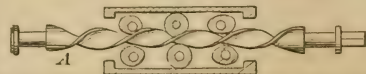
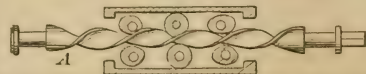
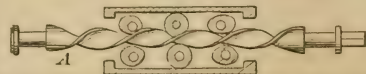
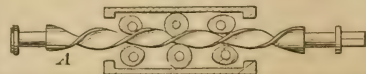
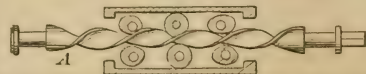
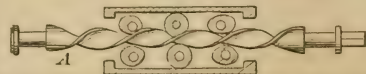
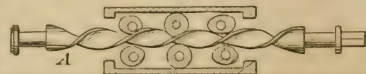
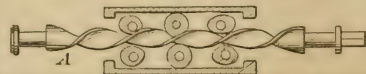
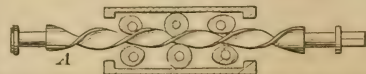
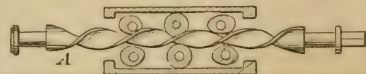
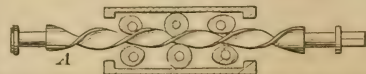
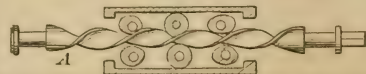
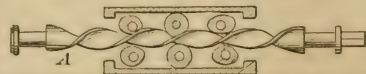
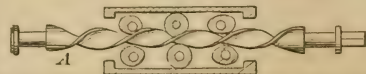
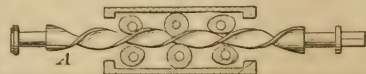
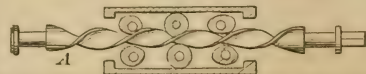
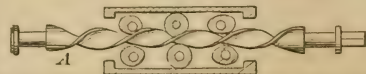
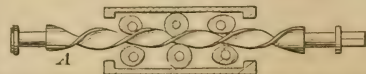
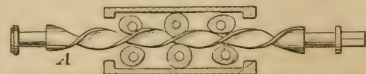
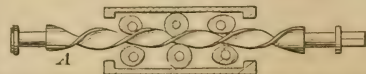
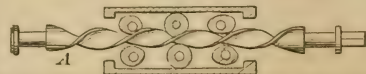
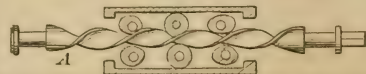
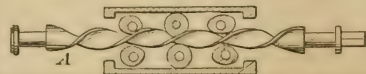
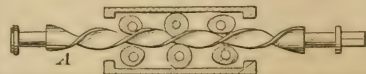
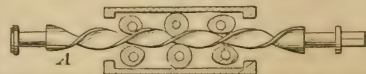
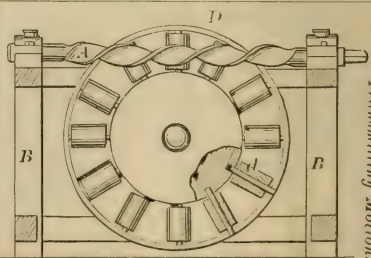


74333—M. R. Fletcher—Planing Machine.



74338—W. Gause—Ditching Machine.

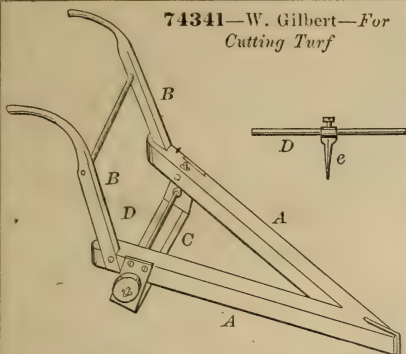
Fig. 1

74337—E. Gallagher—For
Transmitting Motion.

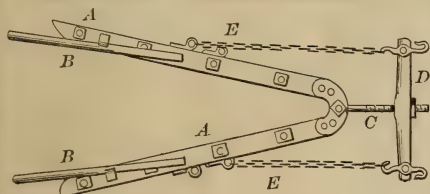
74340—J. M. Gilbert—*Stuffing for Mattresses, &c*



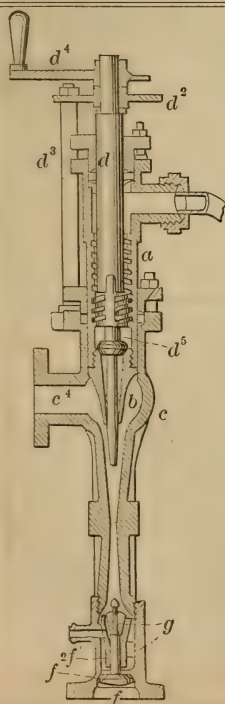
74341—W. Gilbert—*For Cutting Turf*



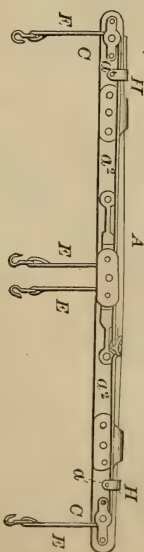
74344—Green & Sommer—*Cultivator.*



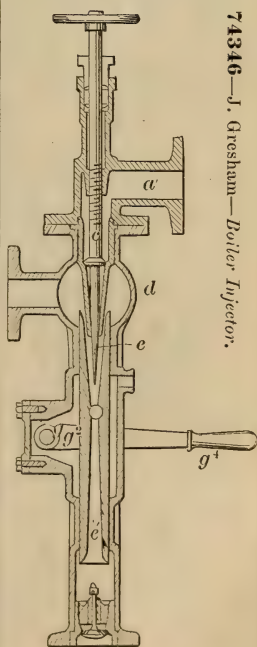
74345—J. Gresham—*Boiler Injector.*



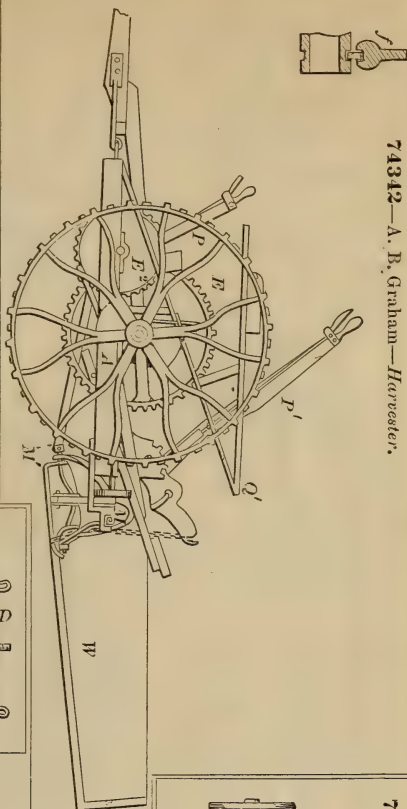
74347—Griswold, Cramer & Blay—*Equalizing Doubletree.*



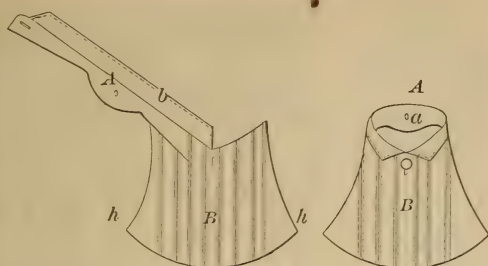
74346—J. Gresham—*Boiler Injector.*



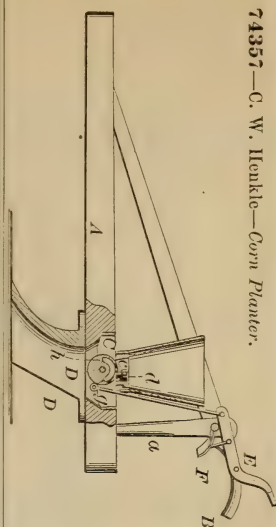
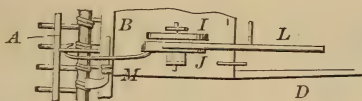
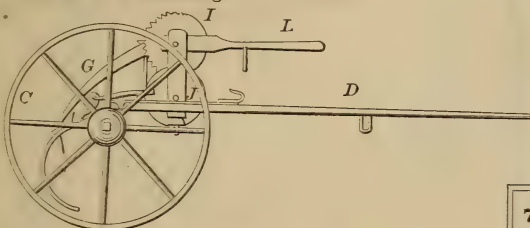
74342—A. B. Graham—*Harvester.*



74355—E. Hatch—*Collar and Bosom.*

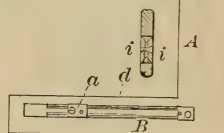


74358—T. Himmelberger—*Horse Rake.*

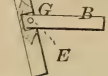


74357—C. W. Henkle—*Corn Planter.*

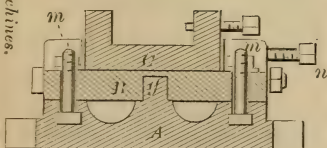
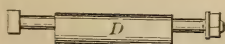
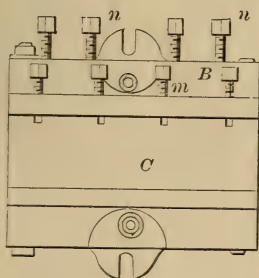
74356—T. C. Hendry—*Square and Gauge.*



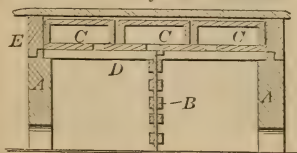
74359—R. Hitchcock—*Link Joint for Car Seats.*



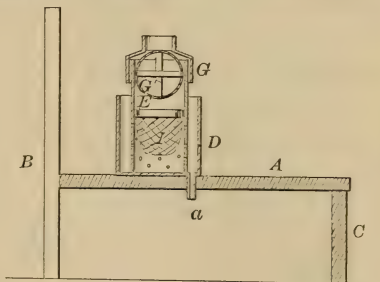
74360—J. S. Hoar—*Chuck for Planing Machines.*



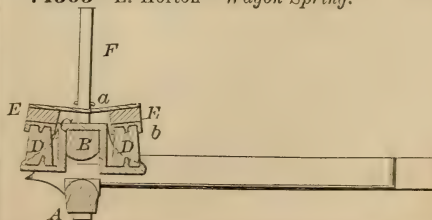
74362—I. Honeywell—*Beehive.*

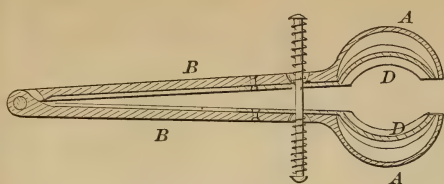
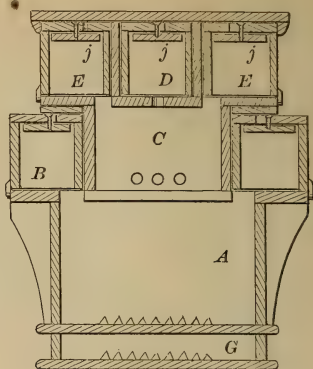
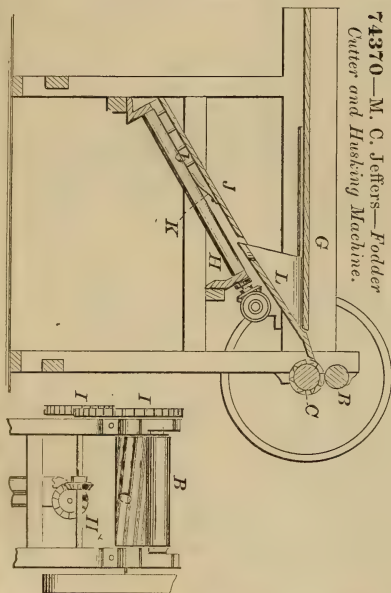
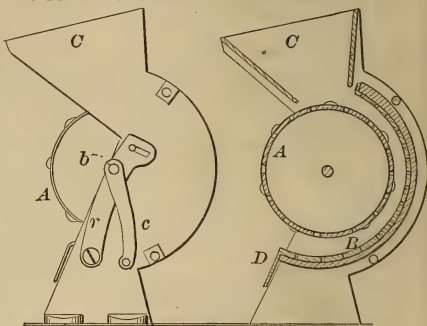
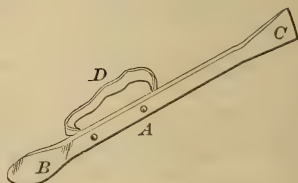
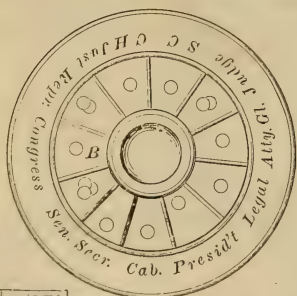
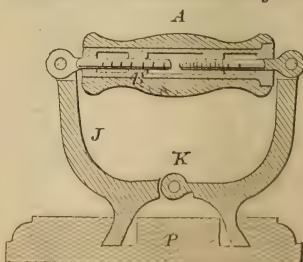
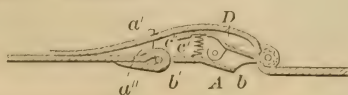


74361—H. A. Holderman—*Fruit Mill and Press.*

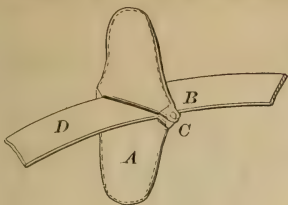


74363—E. Horton—*Wagon Spring.*

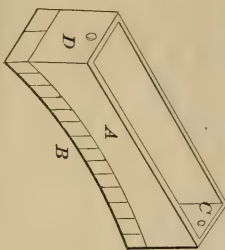
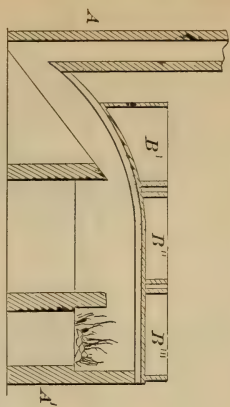


74364—M. & S. Housman—*Corn Sheller.*74369—J. A. Jackson—*Beehive.*74370—M. C. Jeffers—*Fodder Cutter and Husking Machine.*74365—G. S. Hull—*Fruit Mill.*74371—C. S. Jewett—*Weeding Implement*74368—H. Jackson—*Game.*74372—J. Jones—*Smoothing Iron.*74367—A. Hurst—*Buckle.*

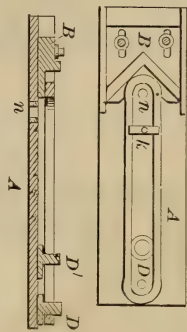
74373—P. Jones—Rein Holder.



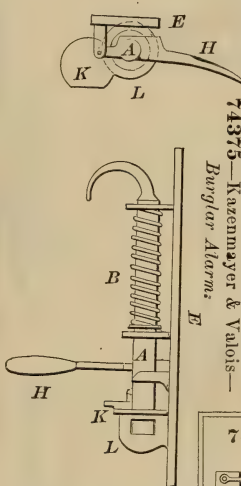
74374—T. J. Jones—Puddling Furnace.



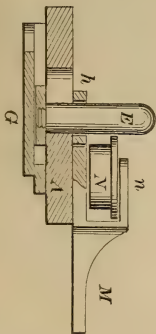
74376—C. Kellogg—For Boring Links.



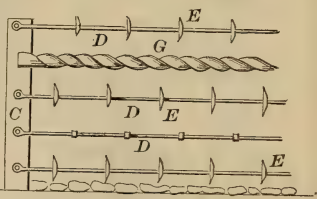
74375—Kazemayer & Valois—
Burglar Alarms.



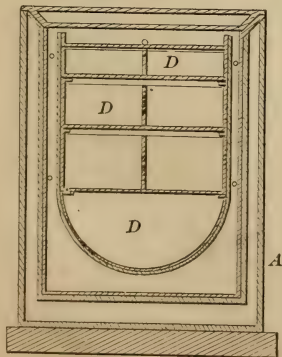
74377—C. Kellogg—For forming
Eyes on Metal Rods.



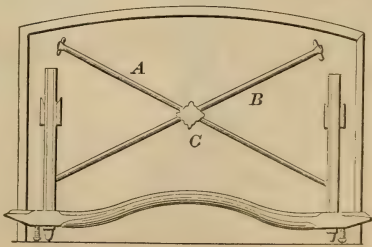
74379—M. Kelly—Fence.



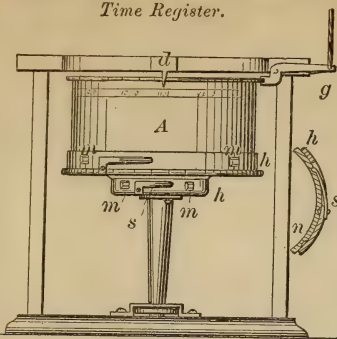
74378—T. D. Kellogg—Preserving
Fishing Bait.



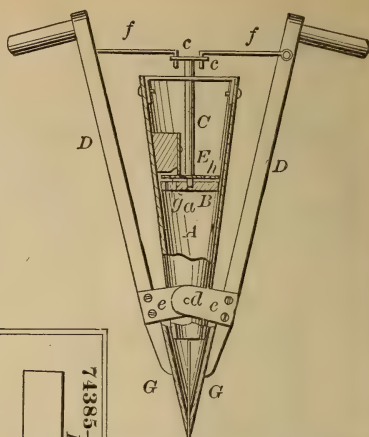
74380—H. Killam—Carriage Cross Strap.



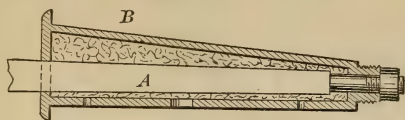
74381—W. A. L. Kirk—*Workmen's Time Register.*



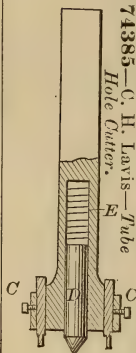
74383—Koeller & Üecke—*Seed Planter.*



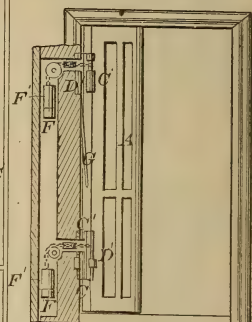
74382—W. Knoch—*Axle for Vehicles.*



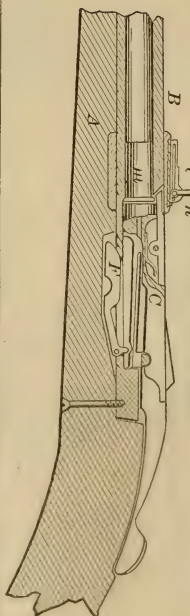
74385—C. H. Lavis—*Tube*
Hole Cutter. **F**



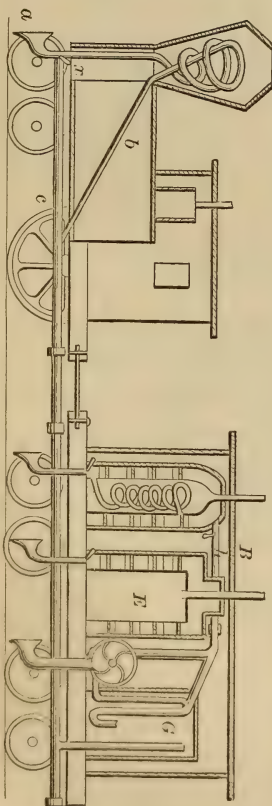
74384—G. Lane—Door Hinge.



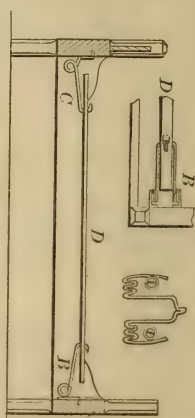
74387 II. Lord—*Breech-Loading Fire Arm.*



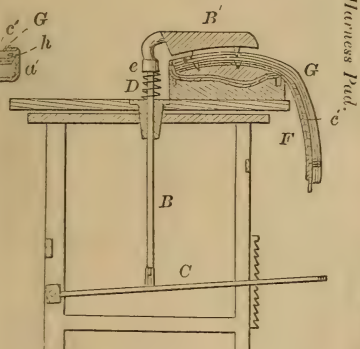
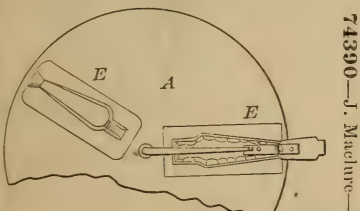
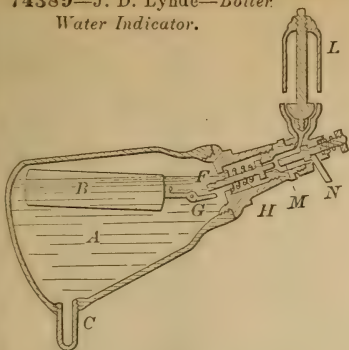
74386—S. Lloyd—Heating Railroad Cars.



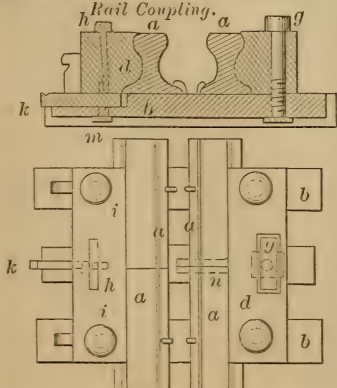
74388—R. O. Lowrey—*Spring Bed Bottom.*



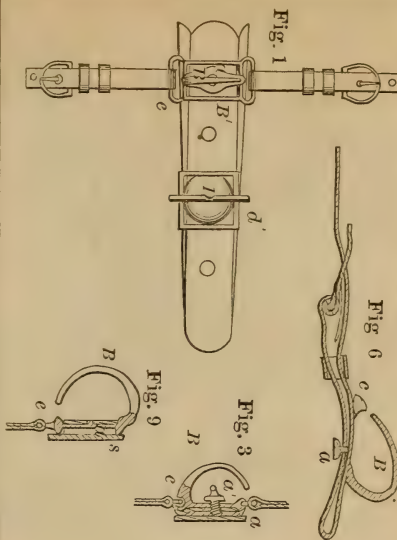
74389—J. D. Lynde—Boiler Water Indicator.



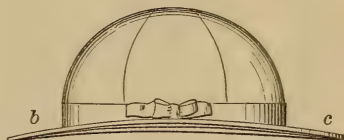
74393—W. S. Mallory—Railroad Rail Coupling.



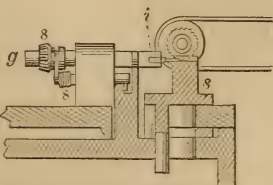
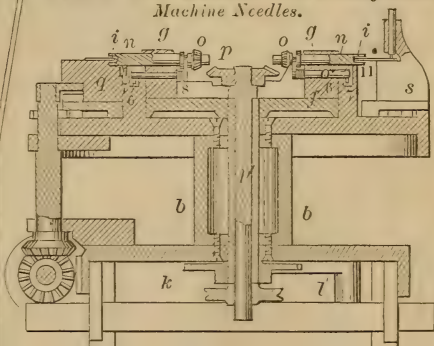
74391—T. J. Magruder—Harness Trimming.



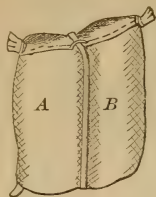
74392—G. Mallory—Hat.



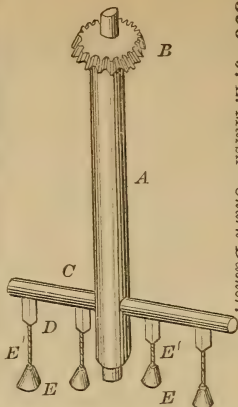
74394—E. J. Manville—For Making Sewing Machine Needles.



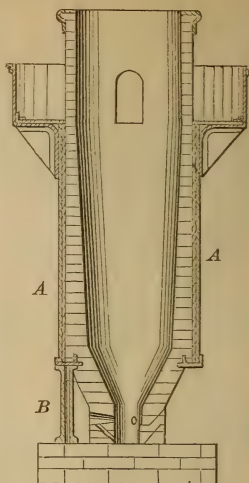
74395—L. A. Marburg—
Packing Tobacco.



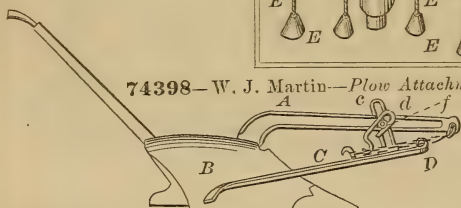
74396—J. L. Marsh—Churn Dashers.



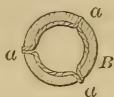
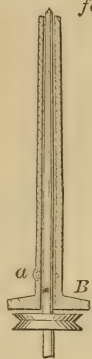
74397—C. Martin—Reduction of Refractory Iron Ores.



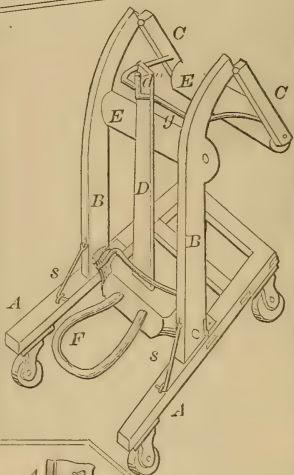
74398—W. J. Martin—Plow Attachment.



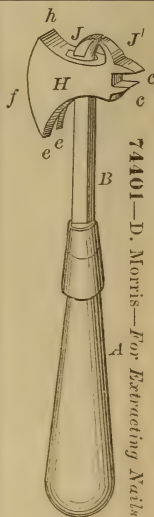
74402—C. B. Morse—Bobbin for
for Spinning.



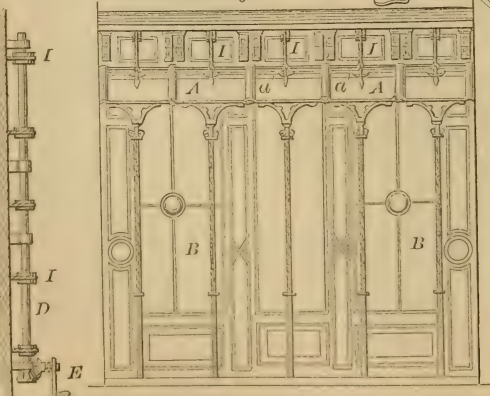
74400—J. H. Means—Mop Winger.



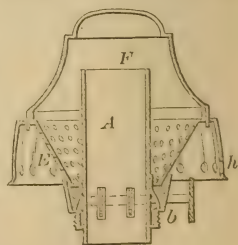
74401—D. Norris—For Extracting Nails.

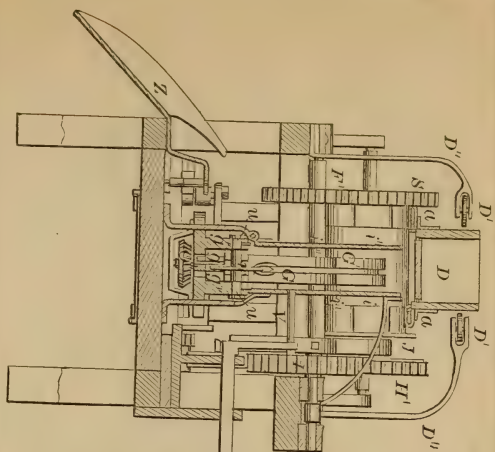


74399—G. M. McMahan—Door
Blind and Awning.

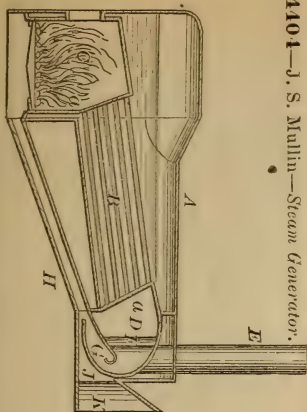


74403—W. Mullally—Lamp





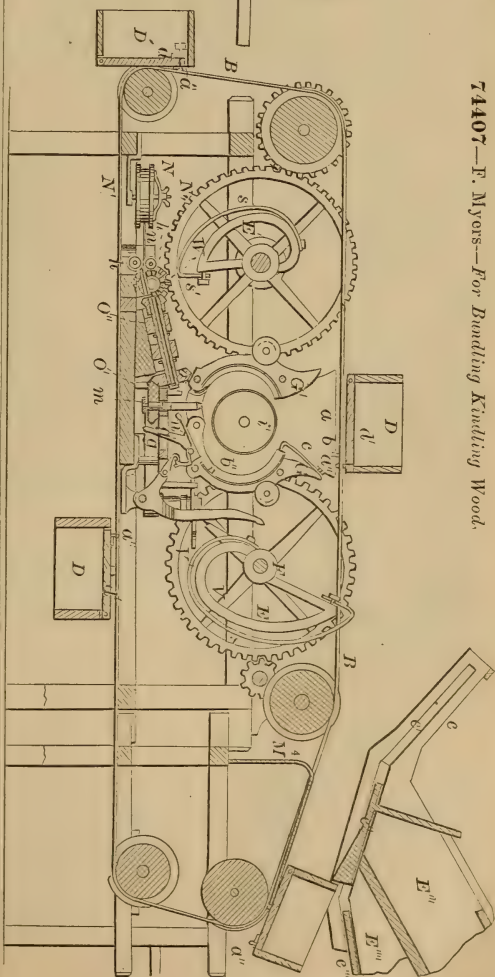
74401—J. S. Mullin—Steam Generator.



74405—J. H. Mullin—Horse Hay Fork.

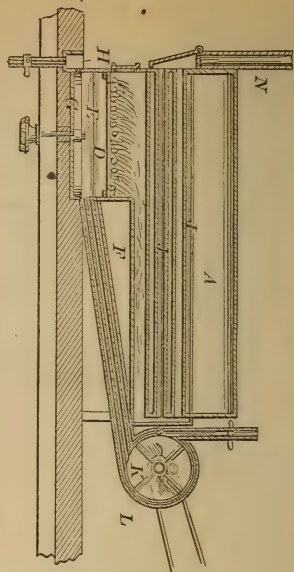
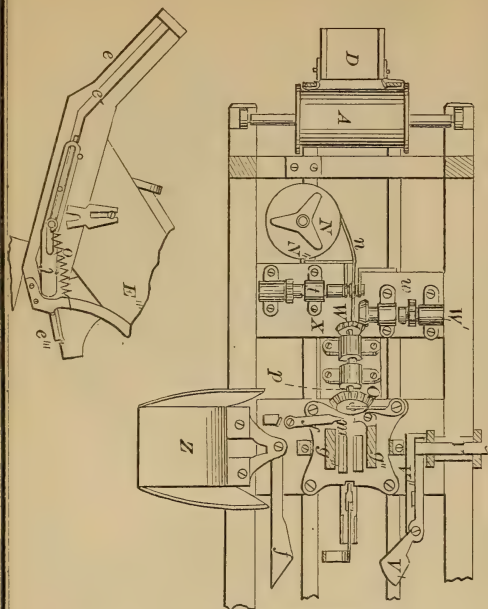


74406—D. Munson—
Lightning Rod.

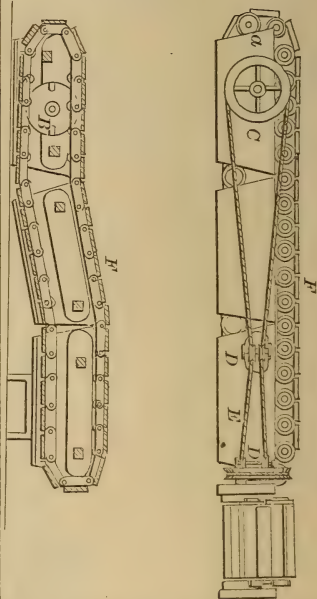


74407—F. Myers—For Bundling Kindling Wood.

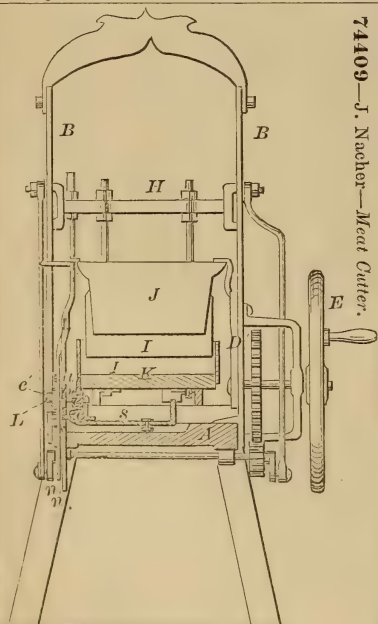
74407—Continued.



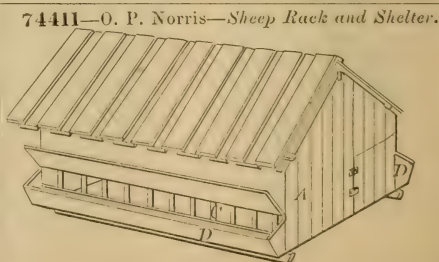
74410—W. H. & M. V. Nobles—Steam Generator.



74408—W. T. Nichols—Portable Railway Elevator.



74409—J. Nacher—Meat Cutter.

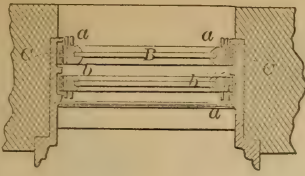


74411—O. P. Norris—Sheep Rack and Shelter.

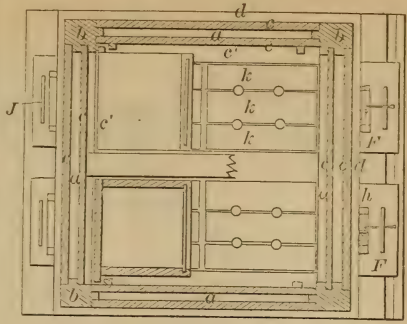
74412—W. A. C. Oaks—Window Shade Fixture.



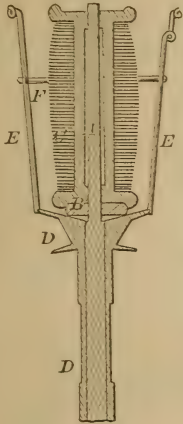
74413—C. H. Palmer—*Hanging Window Sash.*



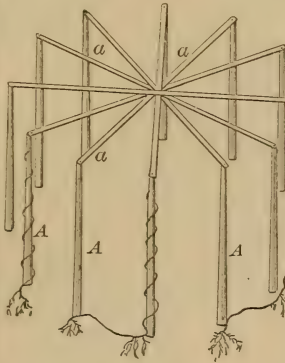
74415—J. M. Patton—*Beehive.*



74416—O. Pearl—*Spinning Throatle.*



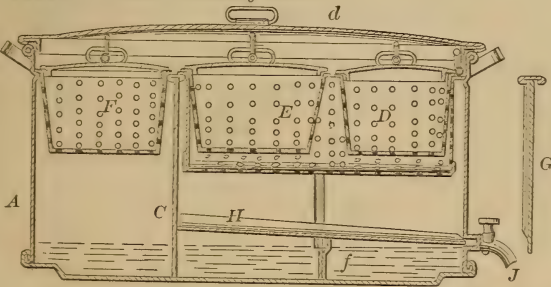
74417—G. Perry—*Cutting Grape Vines.*



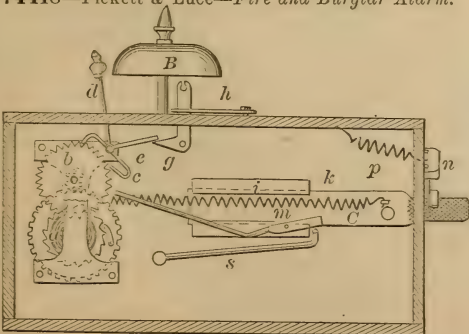
74414—J. Palmer—*Baggy Top Roller.*



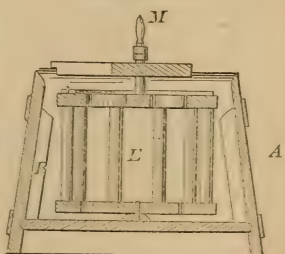
74419—O. Poole—*Culinary Boiler.*



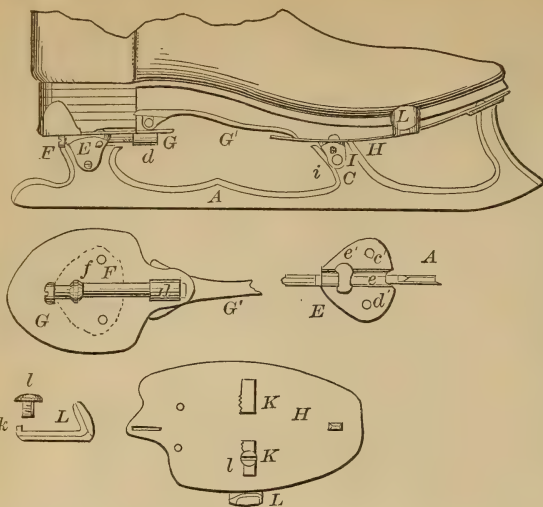
74418—Pickett & Luce—*Fire and Burglar Alarm.*



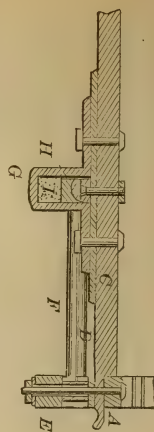
74420—Porter & Roberts—*Potato Washer.*



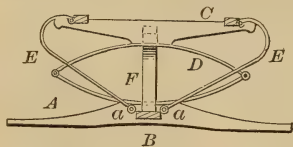
74421—J. W. Post—Skate.



74422—H. W. Ransom—Fifth Wheel for Carriages.



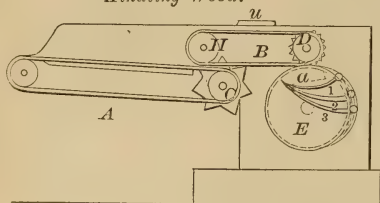
74424—C. L. Rice—Vehicle Spring.



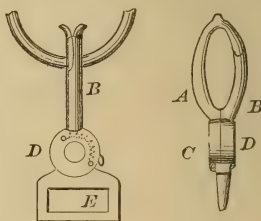
74423—B. W. Remington—Curry Comb.



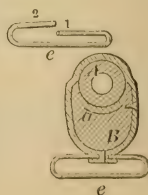
74425—J. Richardson—For Bundling Kindling Wood.



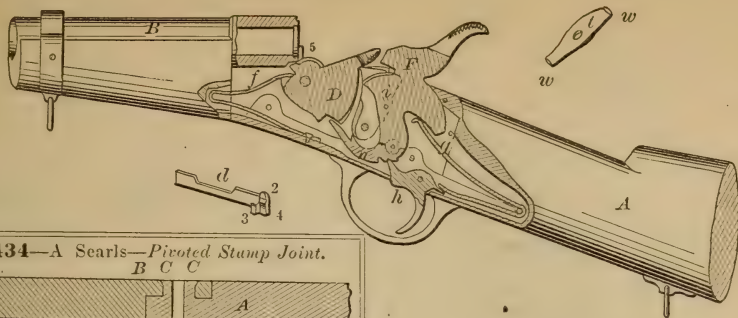
74426—I. C. Richmond—Snap Hook.



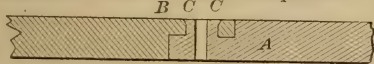
74427—J. Rider—Snap Ring for Fire Arms.



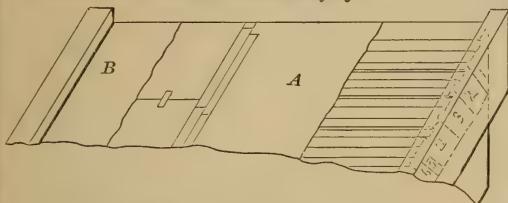
74428—J. Rider—Breech-Loading Fire Arm.



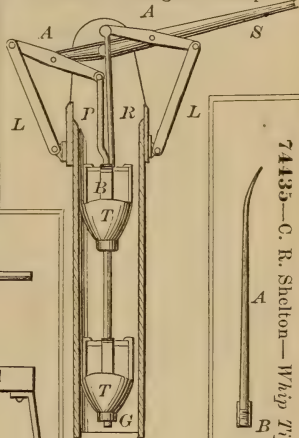
74434—A. Searls—Pivoted Stamp Joint.



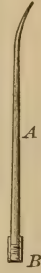
74430—L. Rodney—Cement Roofing.



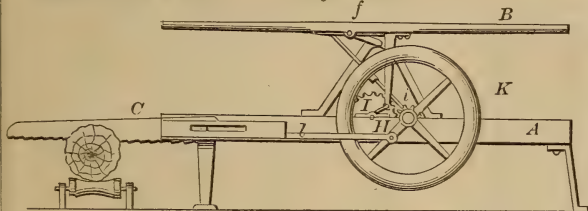
74431—C. Rogers—Pump.



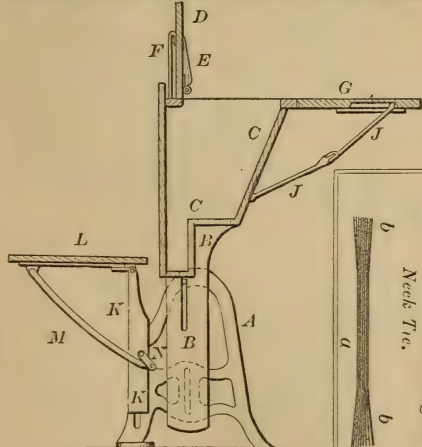
74435—C. R. Shelton—Whip Tip.



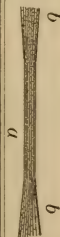
74432—Root & Bennett—Sawing Machine.



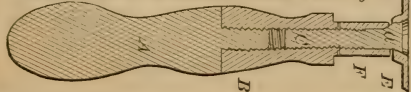
74433—Scott & La Rue—School Desk and Seat.



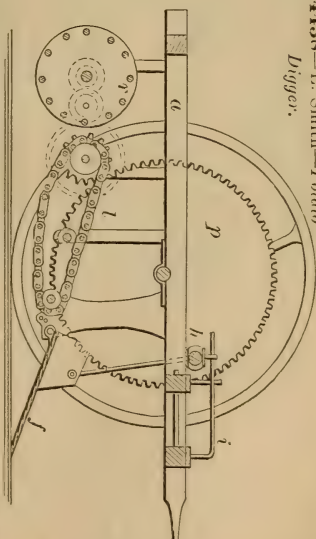
74436—Silberman & Unger—Neck Tie.



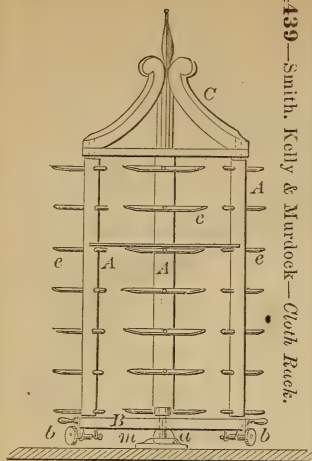
74437—A. B. Simonds—Hand Turning Tool.



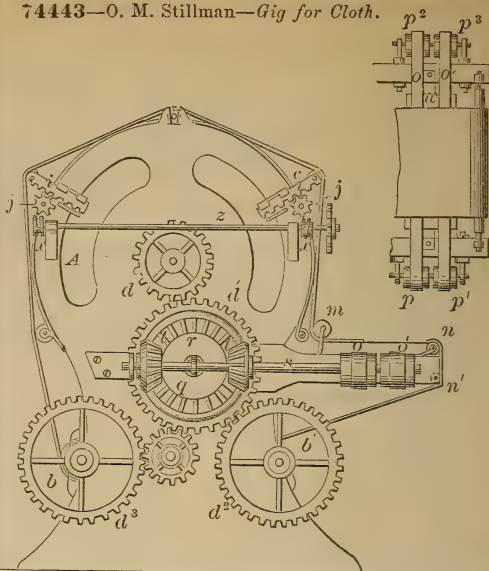
74438—E. Smith—Potato Digger.



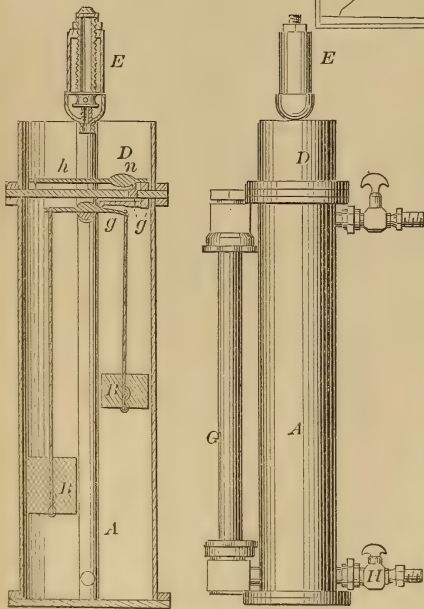
74439—Smith, Kelly & Murdoch—Cloth Rack.



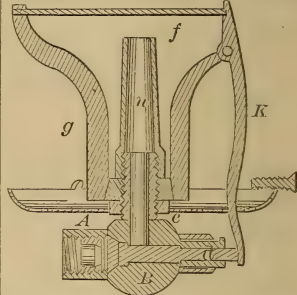
74443—O. M. Stillman—Gig for Cloth.



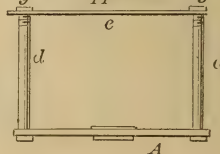
74442—J. H. Springer—Water Alarm for Steam Generators.



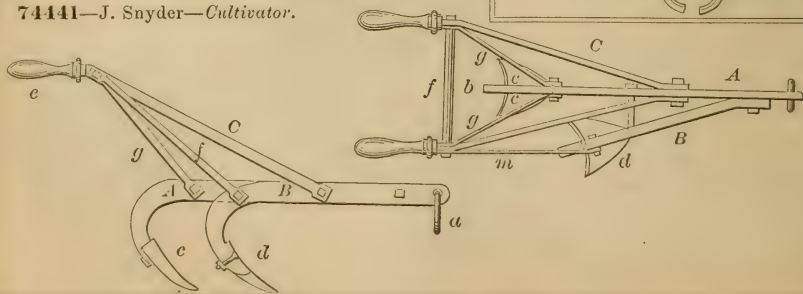
74440—J. B. Smith—Gas Burner.



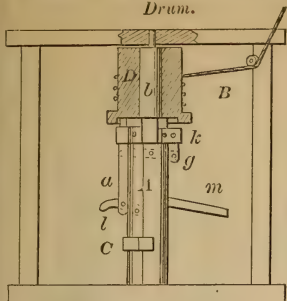
74444—A. J. Stover—Store Flue Supporter.



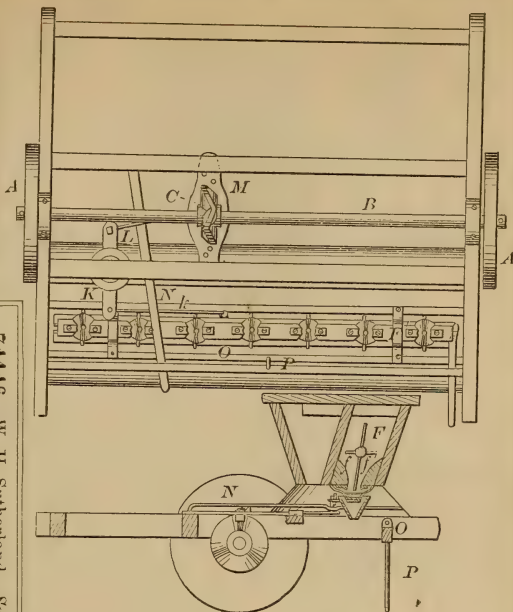
74441—J. Snyder—Cultivator.



74445—H. Strickler—Hoisting Drum.



74448—J. F. Thomas—For Distributing Guano, &c.



74446—W. H. Sutherland—Steel Stop.

Fig. 2

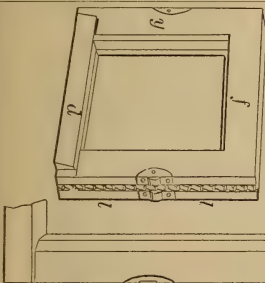
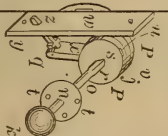
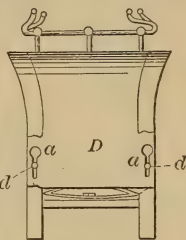
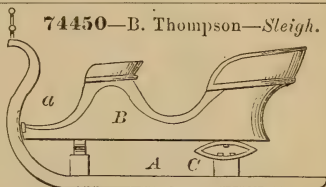


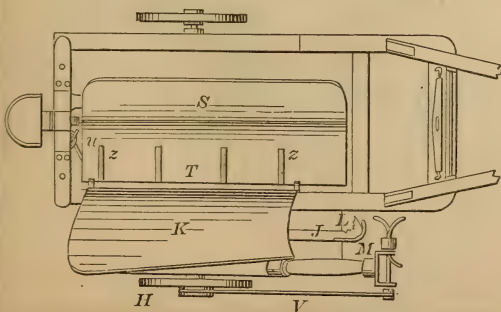
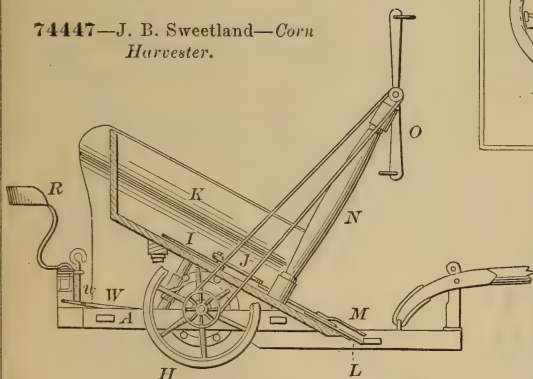
Fig. 3



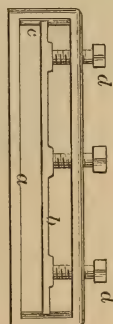
74450—B. Thompson—Sleigh.



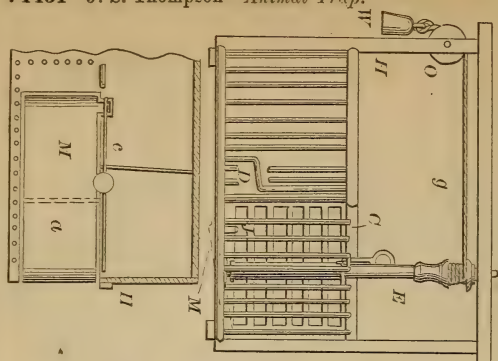
74447—J. B. Sweetland—Corn Harvester.



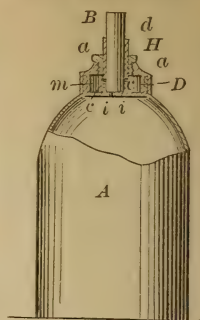
74449—J. L. Thomas—Belt Coupling.



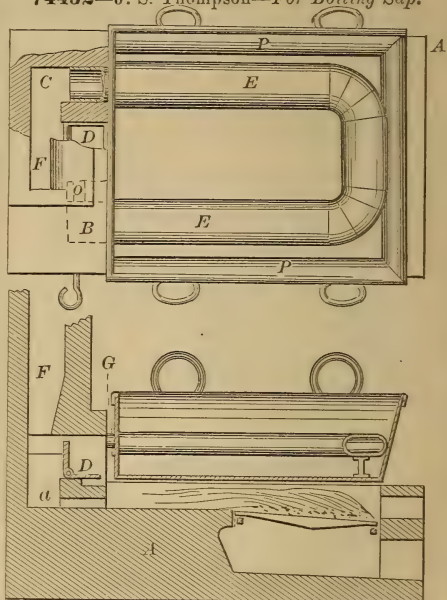
74451—J. S. Thompson—Animal Trap.



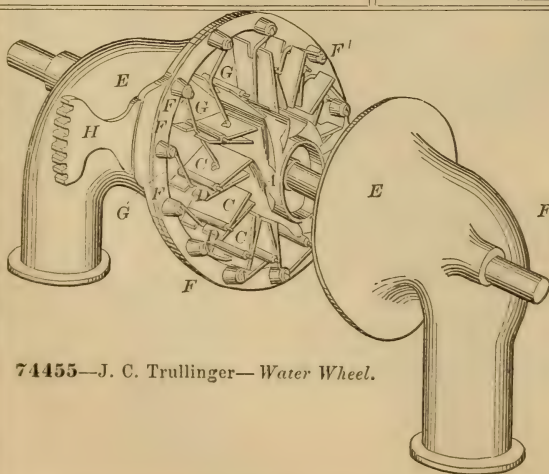
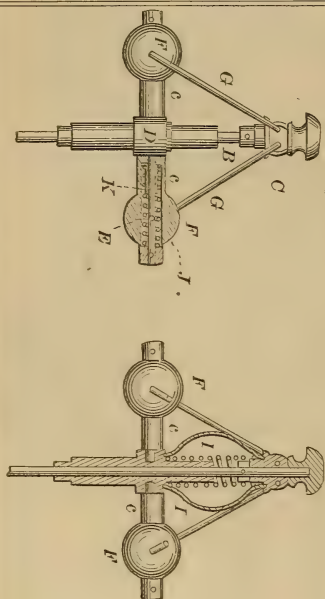
74453—W. W. Timmons—Soda Water Bottle.



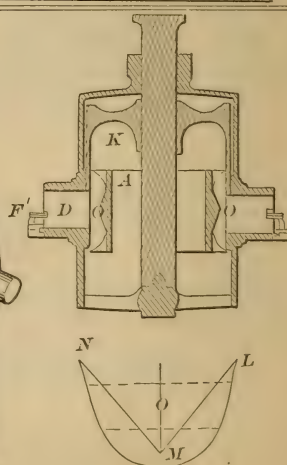
74452—J. S. Thompson—For Boiling Sap.



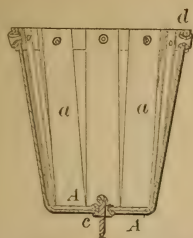
74454—J. Tromper—Steam Governor.



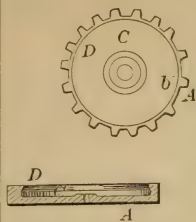
74455—J. C. Trullinger—Water Wheel.



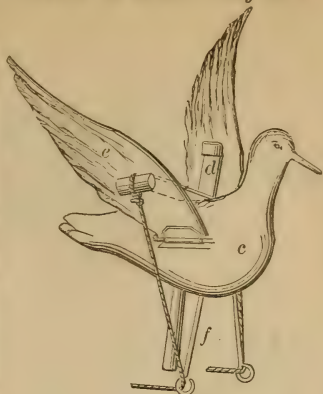
74456—P. B. Vicle—
Fruit Basket.



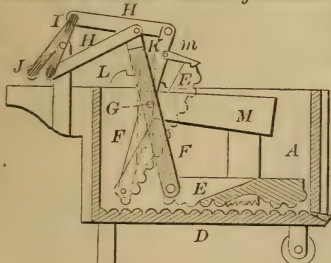
74457—A. Wadsworth—
Watch.



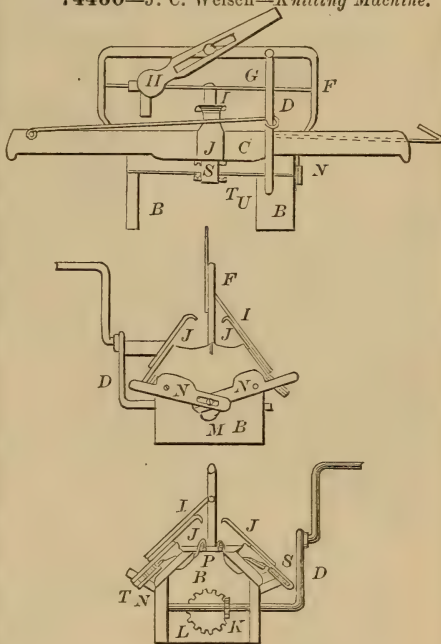
74458—N. Wales—*Decoy Bird*



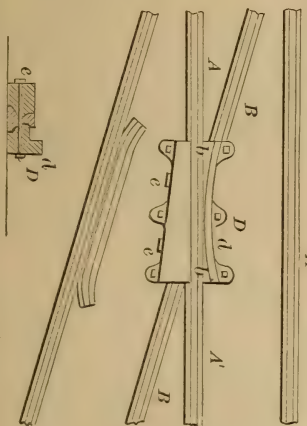
74459—J. Webb—*Washing Machine.*



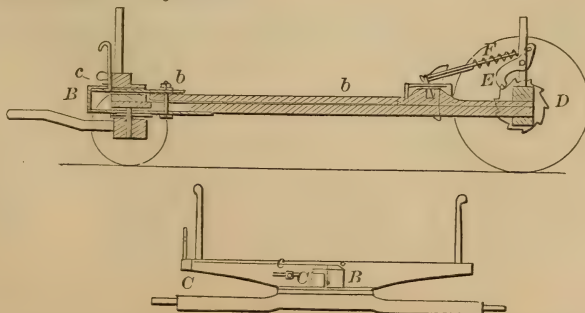
74460—J. C. Welsch—*Knitting Machine.*



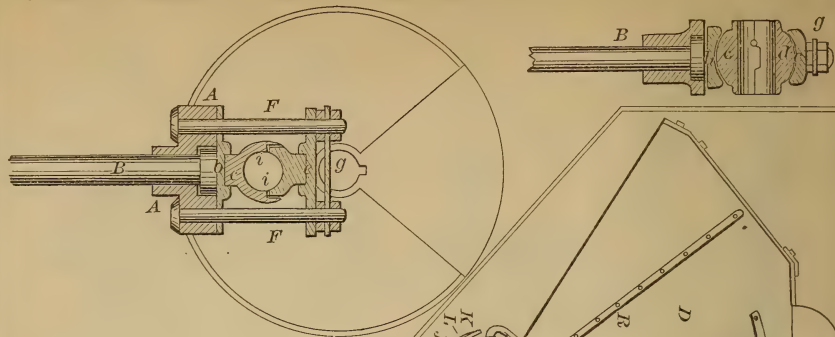
74461—W. Wharton, Jr.—*Railway Frog.*



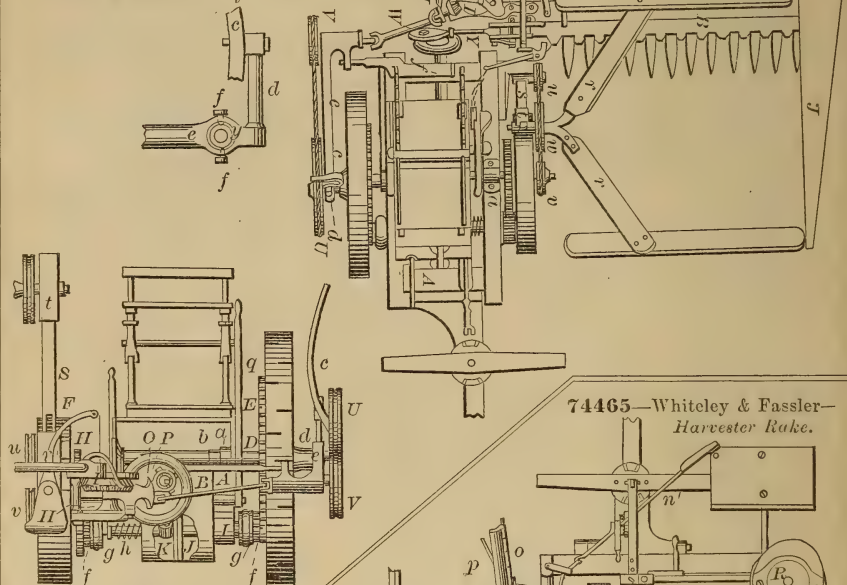
74462—B. F. Wheeler—*Wagon Brake.*



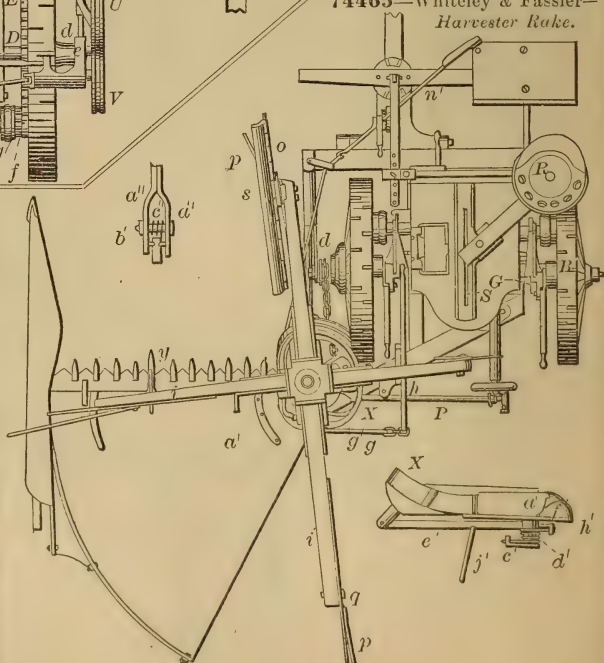
74463—C. Wheeler, Jr.—Harvester Pitman Connection.



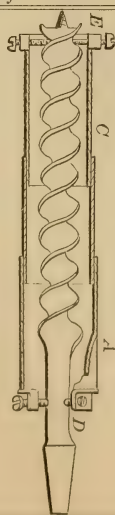
74464—W. N. Whiteley—Harvester Rake.



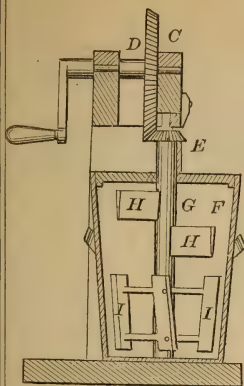
74465—Whiteley & Fassler—Harvester Rake.



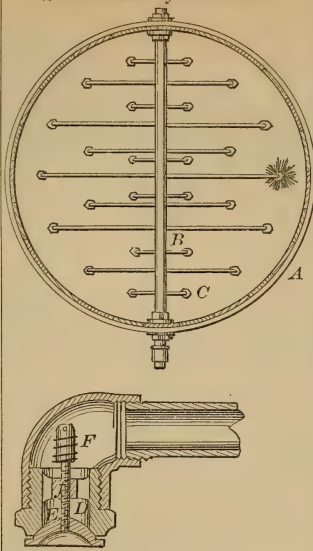
74466—W. E. Whiting—Auger Gauge.



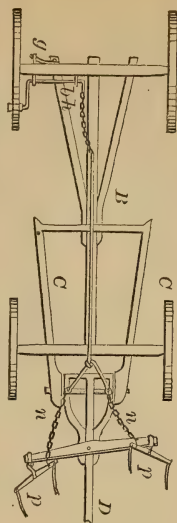
74467—C. B. Williams—
Churn.



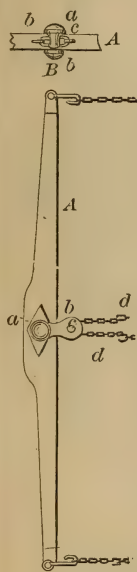
74469—Williams & Yates—
Steam Heater for Brewers.



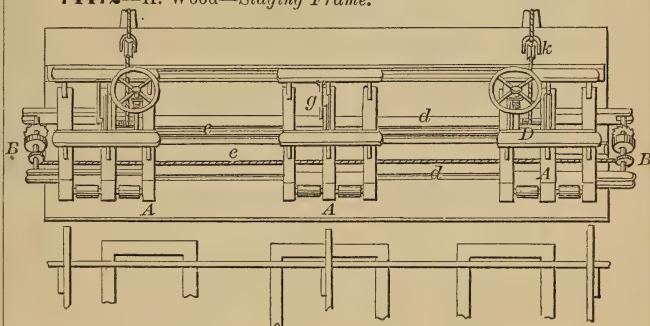
74468—J. A. & W. W. Williams—Self-Acting Wagon Brake.



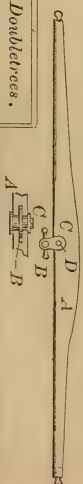
74470—M. V. B. Williamson—Draught Equalizer for Doubletrees.



74472—H. Wood—Staging Frame.



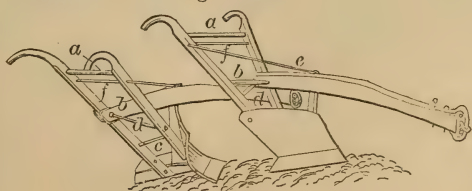
74471—M. V. B. Williamson—Doubletree.

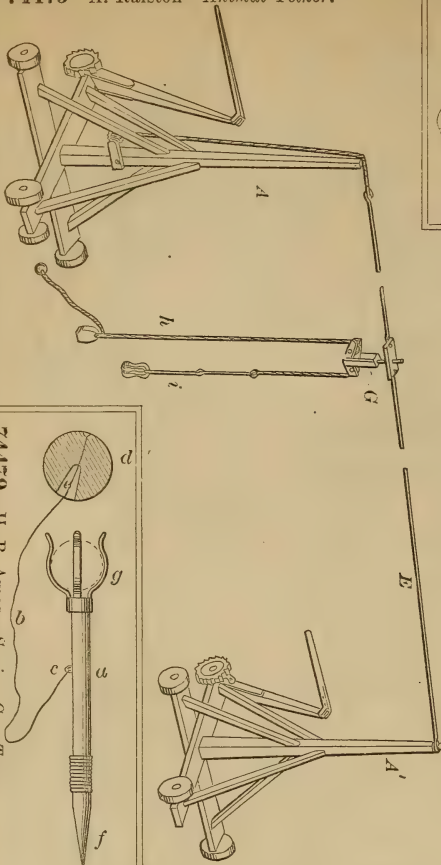
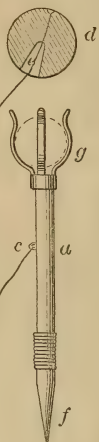
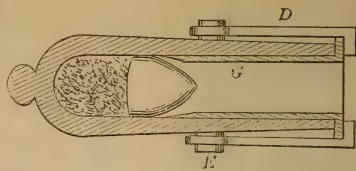
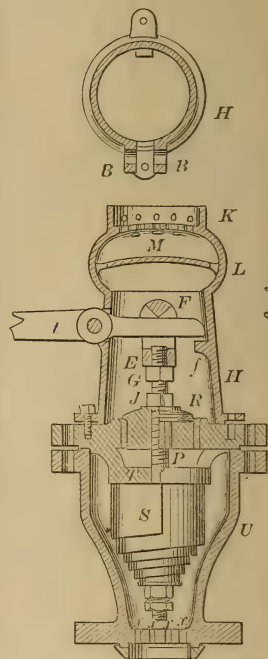
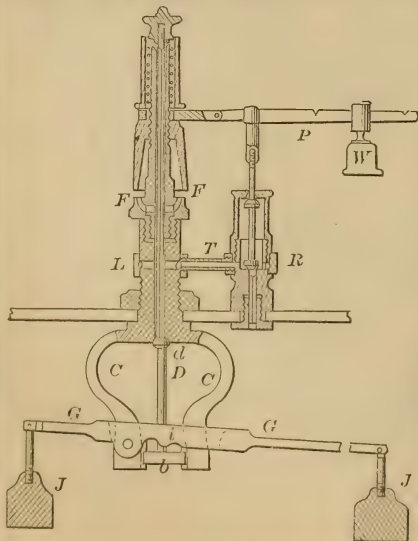
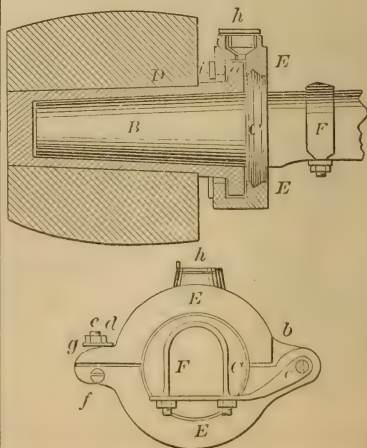


74473—J. M. Wood—Roofing Shoe.

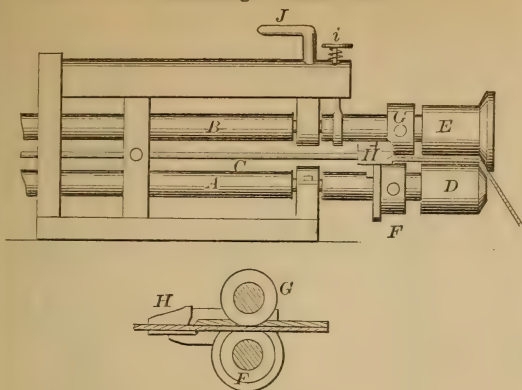


74474—W. G. Young—Plow.

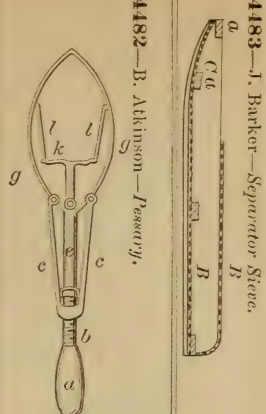


74475—A. Ralston—*Animal Tether.*74479—H. P. Ames—*Spring Cup Toy.*74478—F. W. Alexander—*Ordnance.*74480—H. Anderson—*Safety Valve.*74477—T. B. Akers—*Steam Generator Alarm.*74476—L. Adams—*Axle Lubricator.*

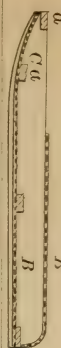
74481—P. W. Armstrong—*Tinners' Die.*



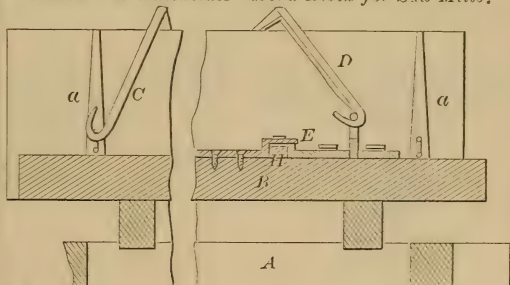
74482—B. Atkinson—*Pressing.*



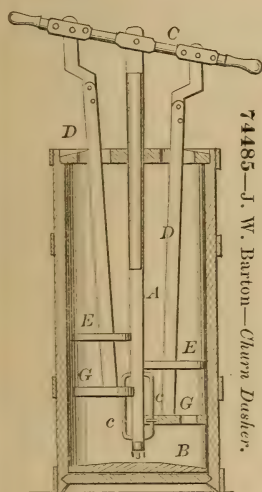
74483—J. Barker—*Separator Stone.*



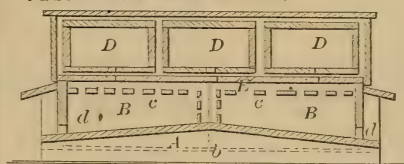
74486—H. Batchelder—*Head Block for Saw Mills.*



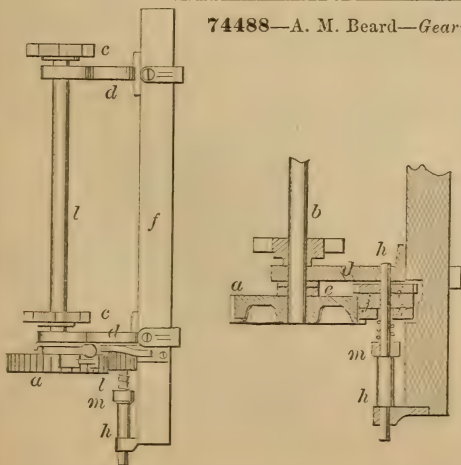
74485—J. W. Barton—*Churn Dasher.*



74487—D. S. Bear—*Beehive.*



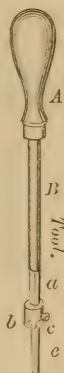
74488—A. M. Beard—*Gearing.*



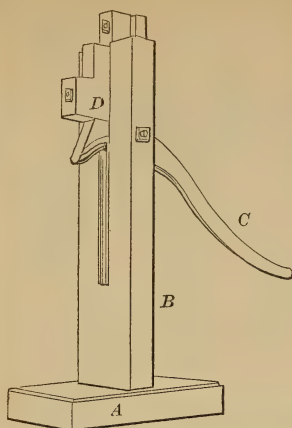
74489—J. A. Bidwell—*Wood Screws.*



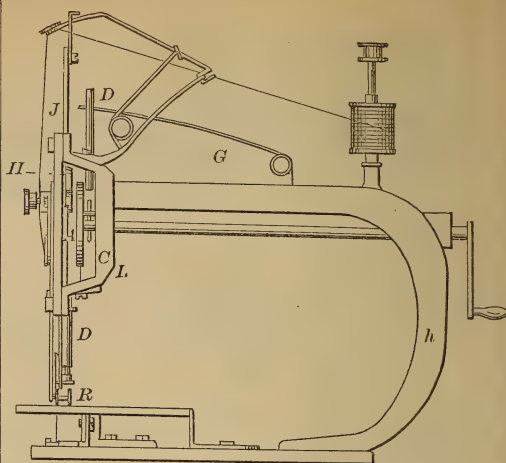
74490—J. A. Bidwell—*Screwdriver and Boring Tool.*



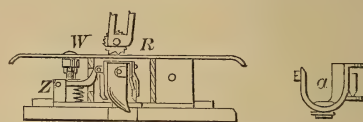
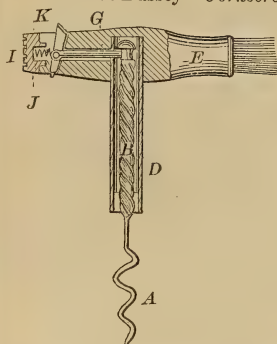
74491—Biglin & Bennett—*Wagon Jack.*



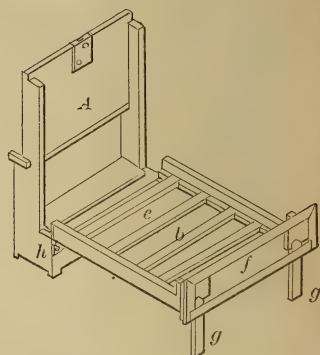
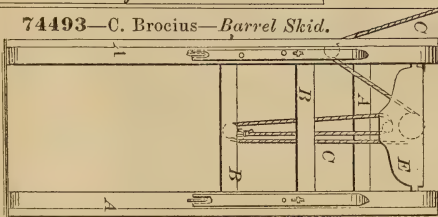
74492—F. M. Bradley—*Sewing Machine.*



74495—J. Bussey—*Corkscrew.*

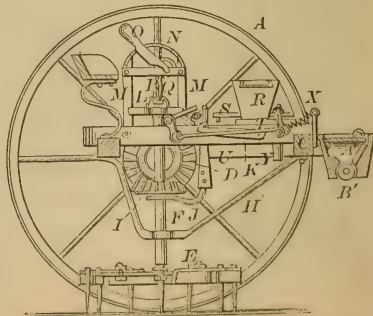
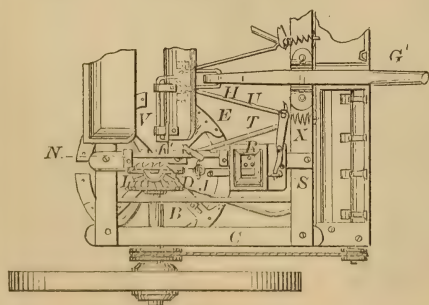


74493—C. Brocius—*Barrel Skid.*

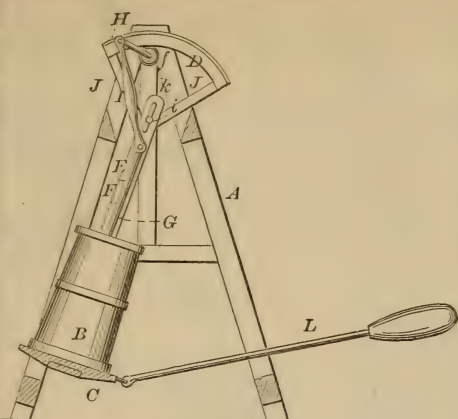


74494—S. S. Burr—*Bedstead.*

74496—W. P. Byler—*Corn Planter, &c.*



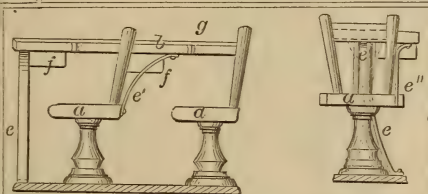
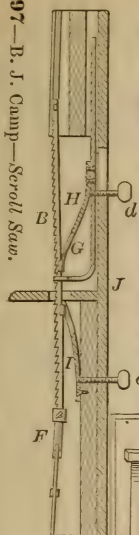
74498—Carpenter & Slaght—Churn.



74499—J. H. Chadwick—Carriage Spring Brace.

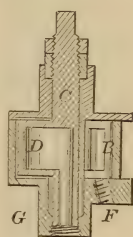
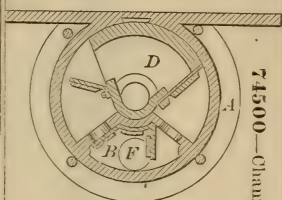


74497—B. J. Camp—Scroll Saw.

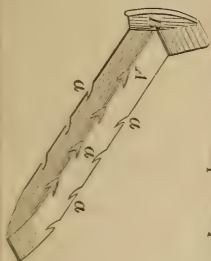


74504—M. B. Cochran—School Desk and Seat.

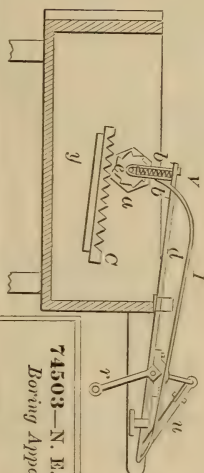
74500—Chamberlin & Garrett—Pump.



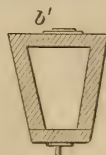
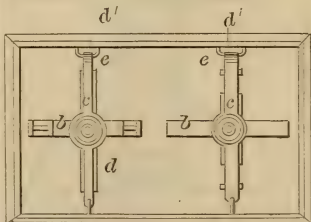
74501—J. H. Champlin—Spike.



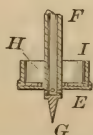
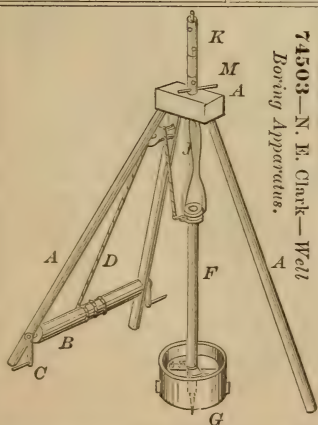
74502—Clark & Davis—Washing Machine.



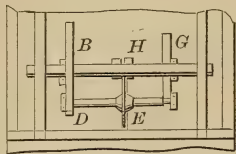
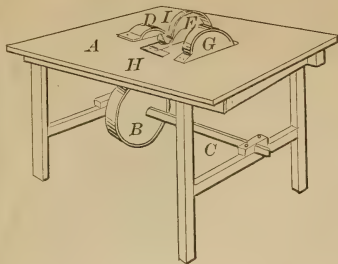
74505—J. T. Coe—Churn.



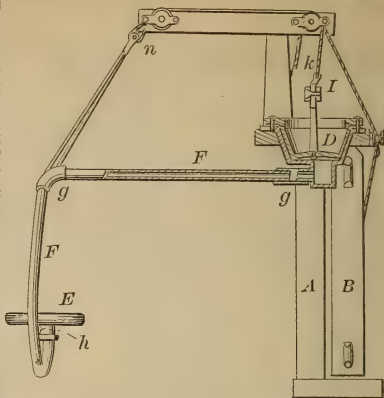
74503—N. E. Clark—Well Boring Apparatus.



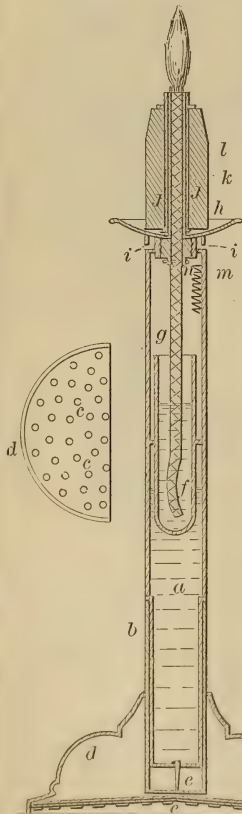
74506—J. Collins, Jr.—For Cutting Rags.



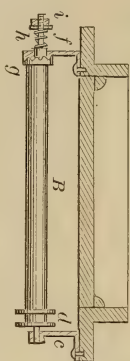
74507—L. O. Colvin—Cow Milking Machine.



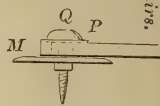
74513—E. A. L. d'Argey—Lighting Apparatus, etc.



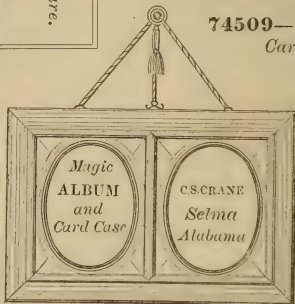
74508—J. M. Corns—Curtain Picture.



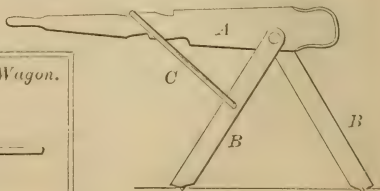
74510—W. G. Creamer—Seat Arm for Railroad Chairs.



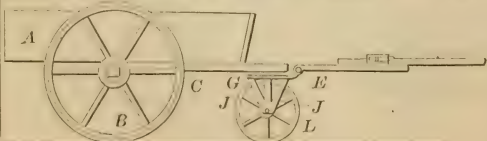
74509—C. S. Crane—Card Safe.



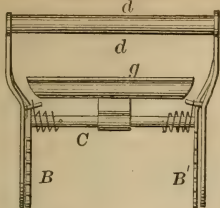
74512—A. M. Culver—Lifting Jack.



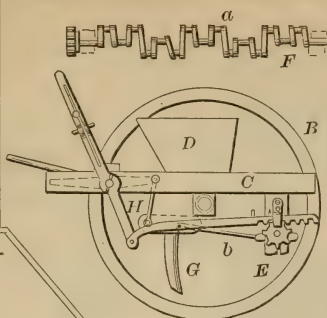
74511—L. T. Crockett—Three-Wheeled Farm Wagon.



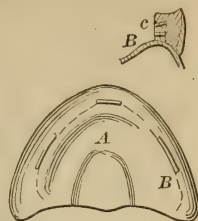
74514—J. B. F. Davidge—*Blower Holder.*



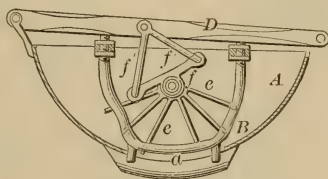
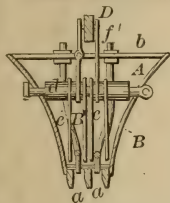
74515—C. F. Davis—*Grain Drill.*



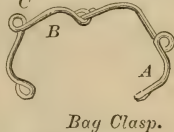
74516—G. L. Derr—*Setting Artificial Teeth.*



74518—Doolittle & Crowder—*Cotton Seed Planter.*

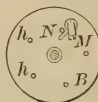
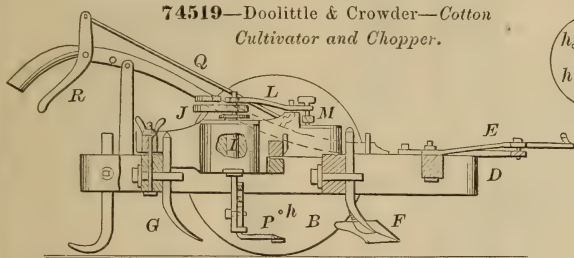


74517—E. L. Dickey—

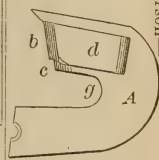


Bag Clasp.

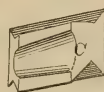
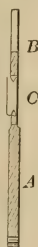
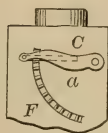
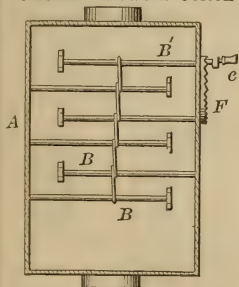
74519—Doolittle & Crowder—*Cotton Cultivator and Chopper.*



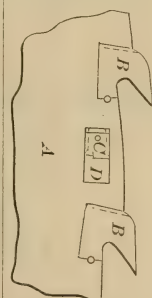
74521—J. F. Emerson—*Saw.*



74520—Dowe & Colton—*Stove Pipe Drum.*

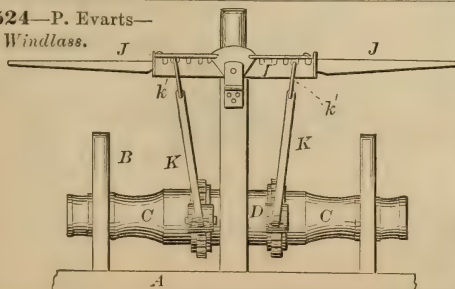


74522—Emerson & Winsor—*Saw.*



74523—Emerson & Winsor—*Saw.*

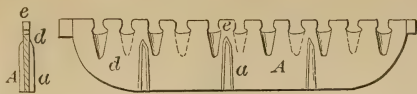
74524—P. Evarts—*Windlass.*



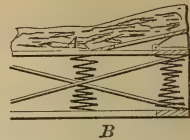
74525—J. Fearn—*Boot Heel.*



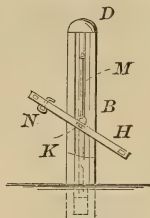
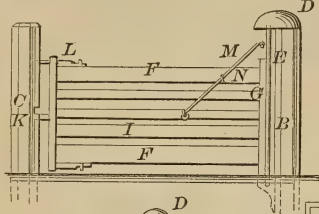
74526—A. C. Fletcher—Grate Bar.



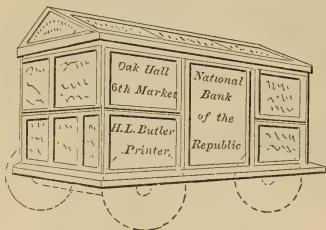
74528—A. Gebhard—Spring Mattress.



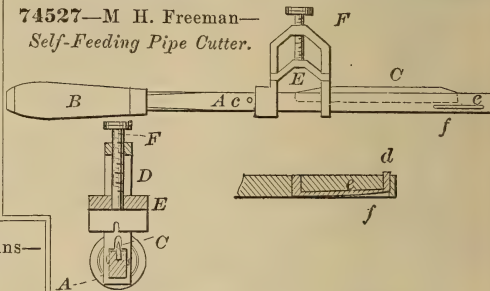
74529—C. E. Goodwin—Farm Gate.



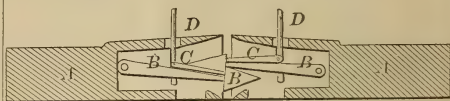
74530—Harris, Roseman & Hutchins—Advertising Carriage.



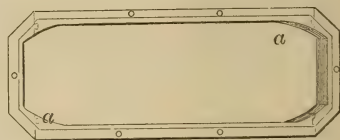
74527—M. H. Freeman—Self-Feeding Pipe Cutter.



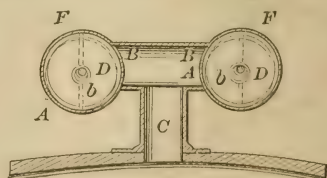
74532—J. C. Heaton—Car Coupling.



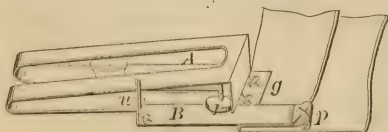
74531—J. R. Hathaway—Burial Case.



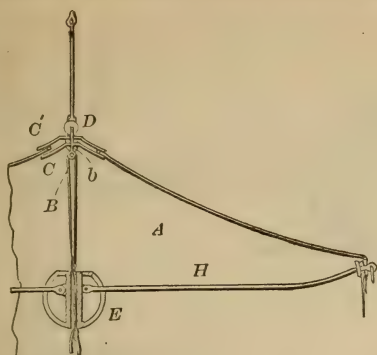
74534—M. T. Hitchcock—Car Ventilator.



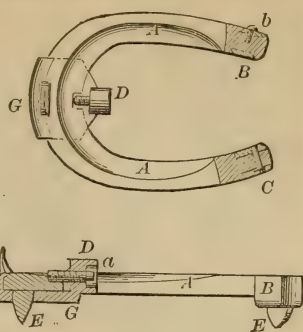
74533—W. H. Heyer—Hemmer, Marker, &c., for Sewing Machines.



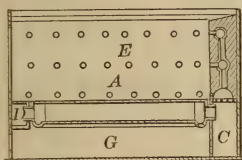
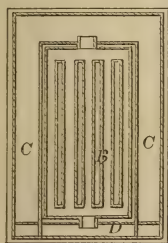
74535—J. B. Holmes—Canopy for Bed Nettings.



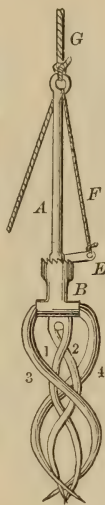
74539—N. W. Hubbard—Horse Shoe.



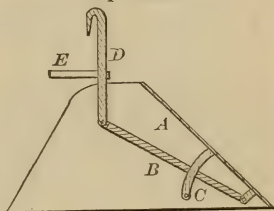
74536—M. L. Horton—Furnace.



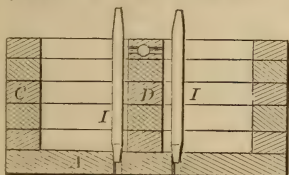
74538—D. J. Howenstine—Horse Hay Fork.



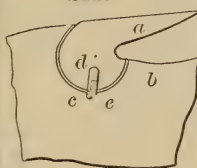
74537—W. H. Horton—Lamp Shade.



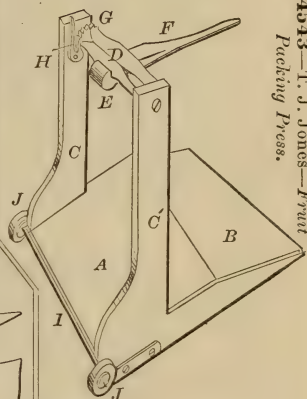
74540—J. Huber—Tan Vat.



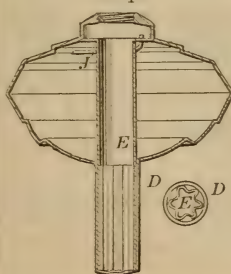
74541—E. Humphrey—Saw.



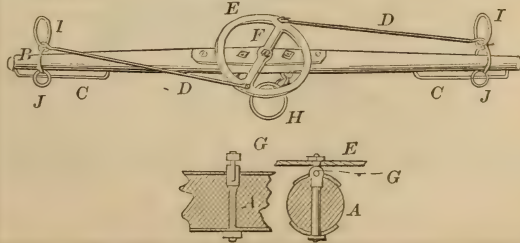
74543—T. J. Jones—Fruit Packing Press.



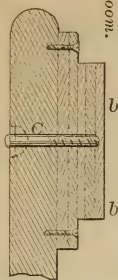
74542—J. Ingersoll—Lamp.



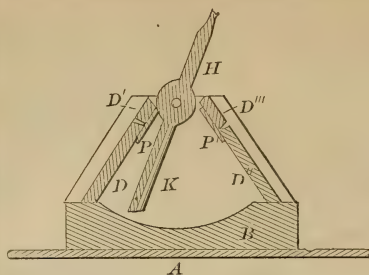
74544—T. J. Jones—Neck Yoke.



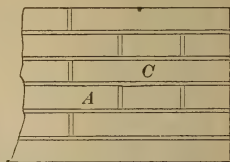
74545—R. Joslin—Picker for Loom.



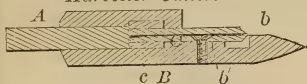
74546—S. Keen—Butter Worker.



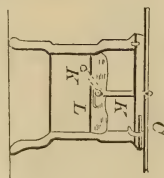
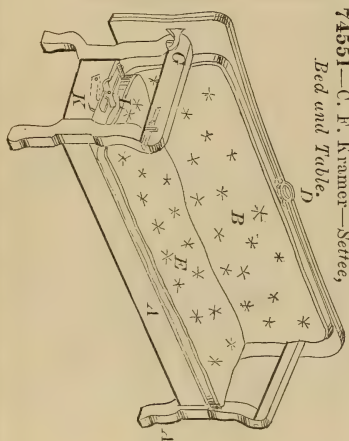
74547—J. Kelly—Sea Wall.



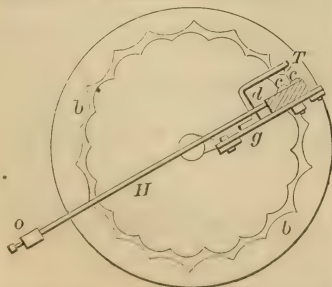
74550—T. R. & S. Knowles—Harvester Cutter.



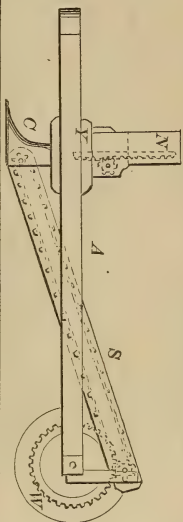
74551—C. F. Kramer—Settee, Bed and Table.



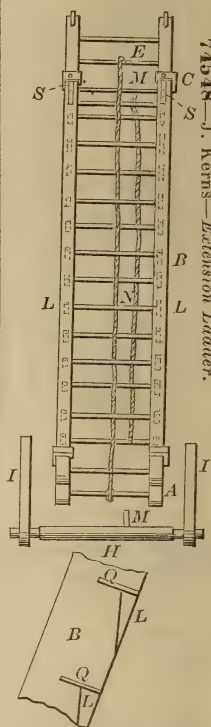
74552—I. Lancaster—Harvester.



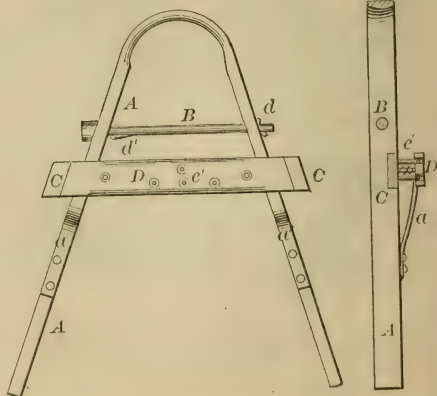
74549—J. King—Ditching Machine.



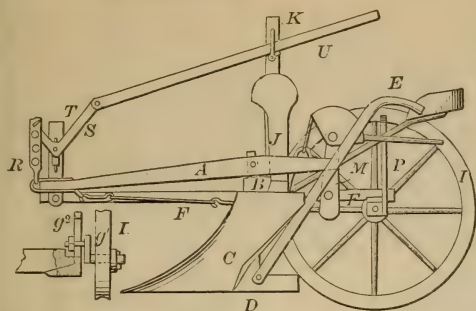
74548—J. Kerns—Extension Ladder.



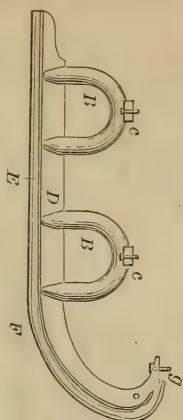
74553—M. & S. C. Leonard—Animal Tether.



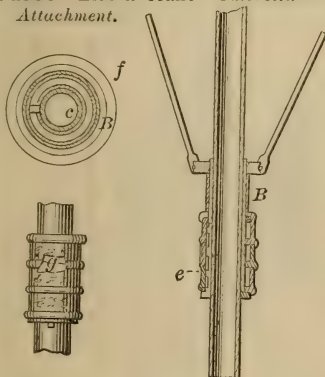
74554—E. Levee—Sulky Plow



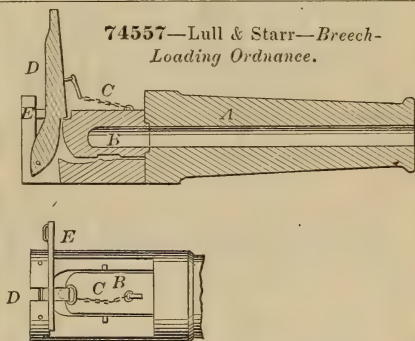
74556—Lockwood & Frederick—Sleigh Runner.



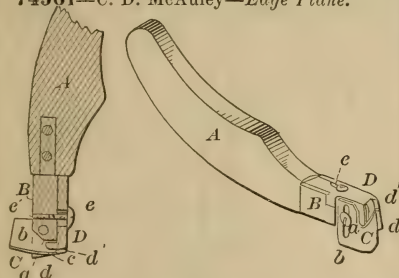
74555—Lieb & Crane—Umbrella Attachment.



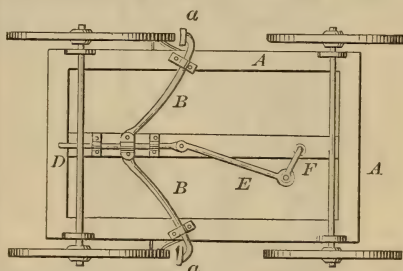
74557—Lull & Starr—Breech-Loading Ordnance.



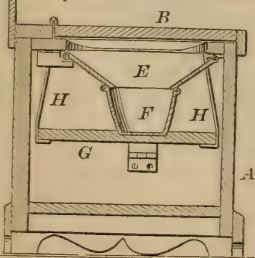
74561—C. D. McAuley—Edge Plane.



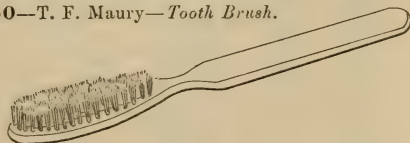
74559—H. B. Marshall—Vehicle Brake.



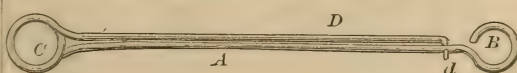
74558—W. J. Lyman—Chamber Closet.



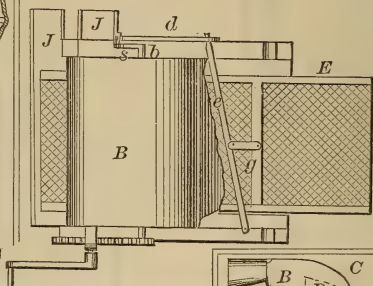
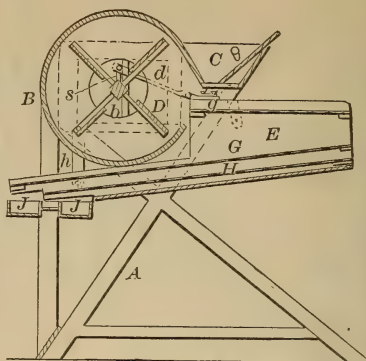
74560—T. F. Maury—Tooth Brush.



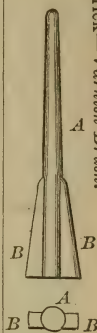
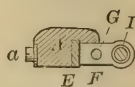
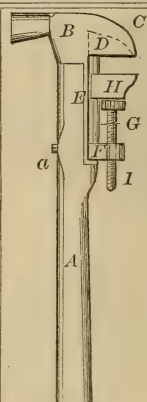
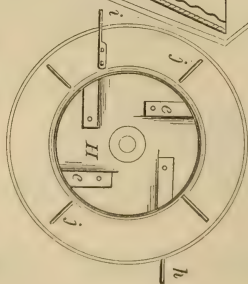
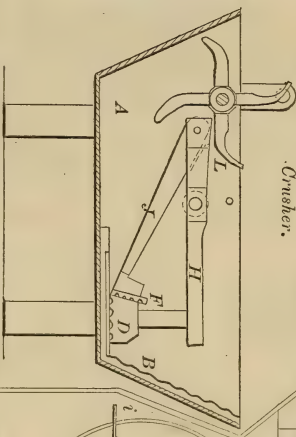
74562—L. P. McCarty—Newspaper File.



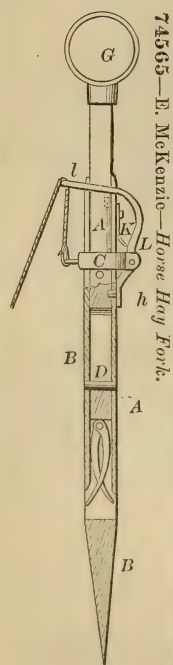
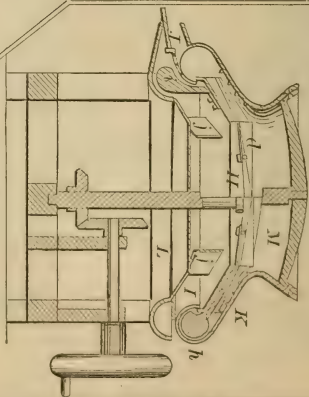
74567—S. McMillan—Fanning Mill.



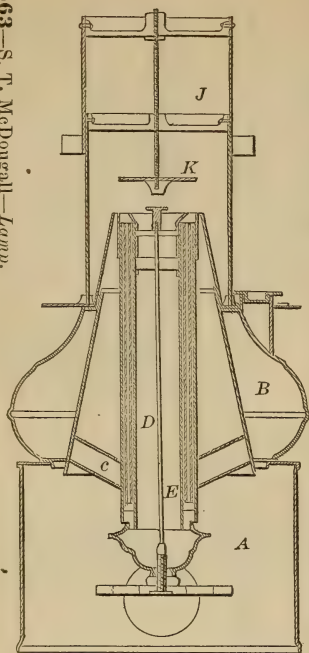
74566—J. McKittick—Varnish Brush.

74568—E. R. Meeker
Implement.74564—S. T. McDougall—Quartz
Crusher.

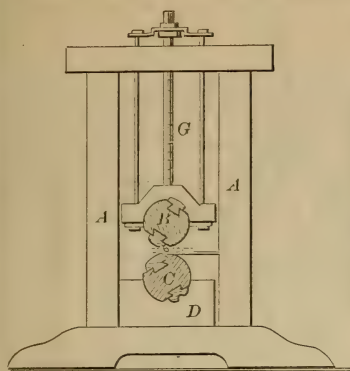
74569—J. A. Merriam—Corn Sheller.



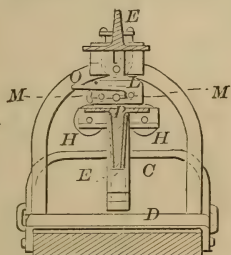
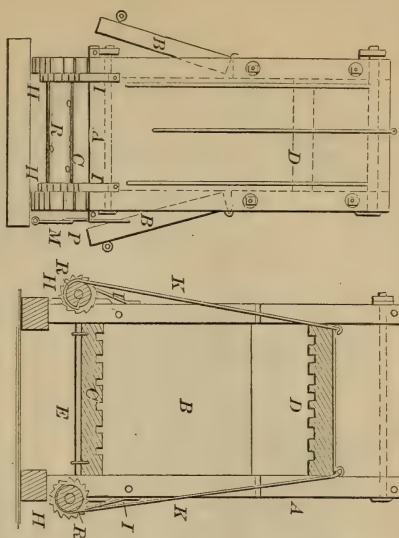
74563—S. T. McDougall—Lamp.



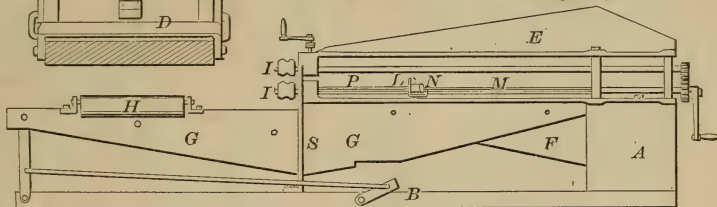
74570—S. A. Millard—Rolling Hoes.



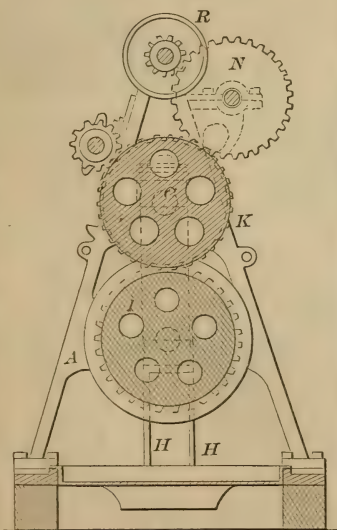
74571—M. R. Mollear—Hay Press.



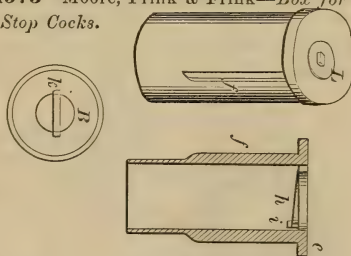
74572—G. R. Moore—For Corrugating Sheet Metal.



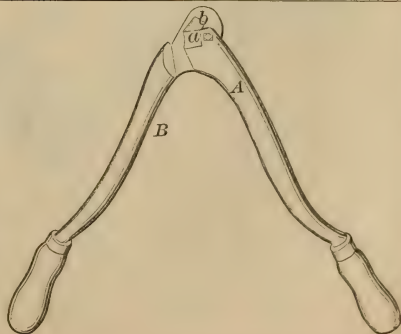
74574—J. Moore—Cane Mill and Steam Engine.



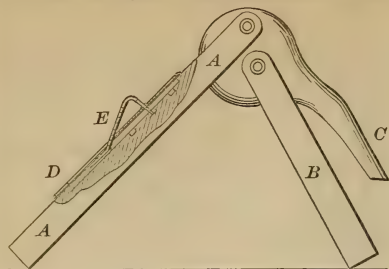
74573—Moore, Frink & Frink—Box for Street Stop Cocks.



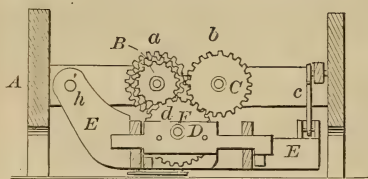
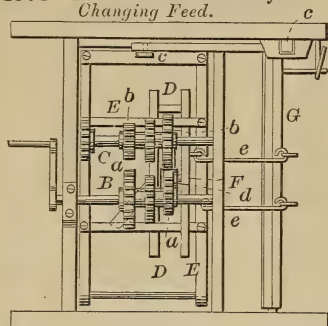
74575—T. W. Moore—Bolt Cutter.



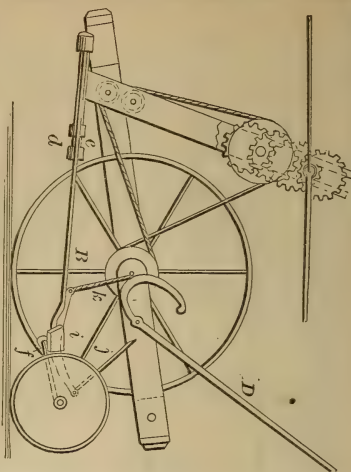
74576—A. Myers—Carriage Jack.



74578—R. L. Nelson—Device for Changing Feed.

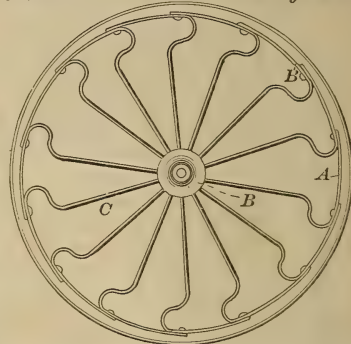


74577—W. Neff—Harvester.

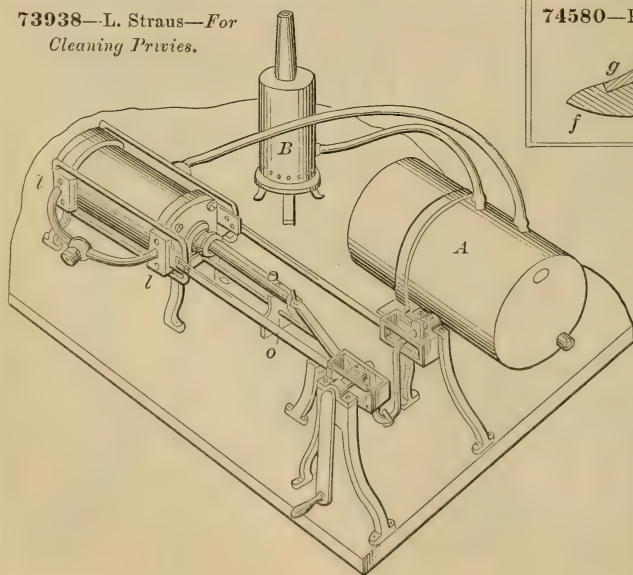


74577—W. Neff—Harvester.

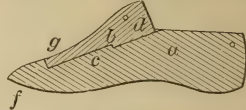
74579—T. & J. Nevison—Carriage Wheel.



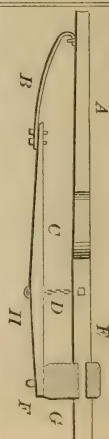
73938—L. Straus—For Cleaning Privies.



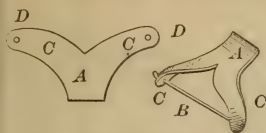
74580—P. A. Newhall—Last.



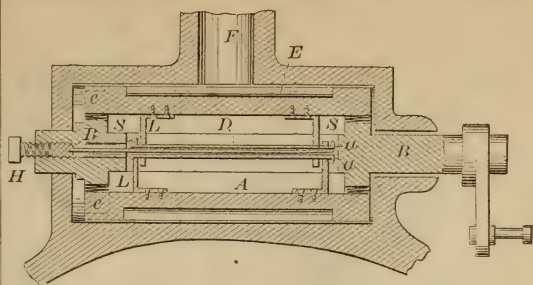
74581—D. C. Newton—Wagon Pole Support.



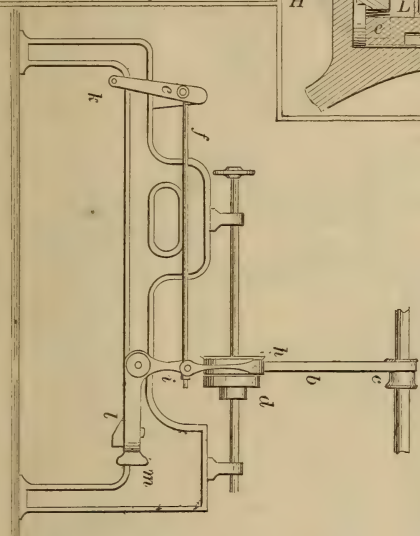
74582—G. & W. L. Nixon—*To Prevent Hogs from Rooting.*



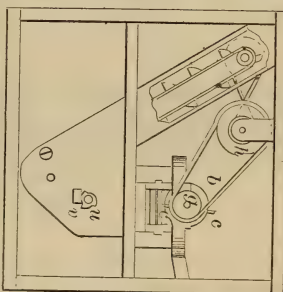
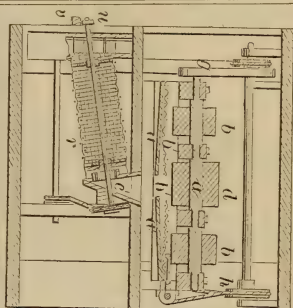
74583—W. Ord—*Steam Engine Valve.*



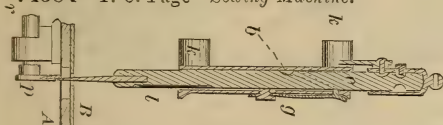
74585—Paley & Rawshorn—*Spinning Mule.*



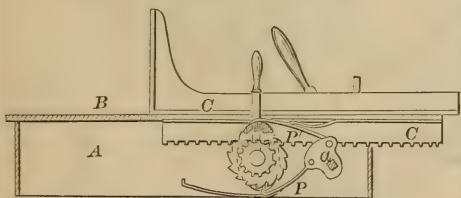
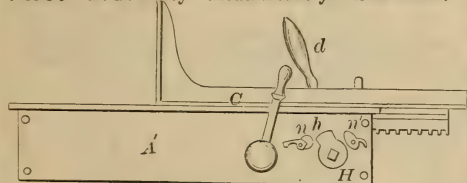
74586—Pearson & Coburn—*For Cutting and Separating Dry Woods.*



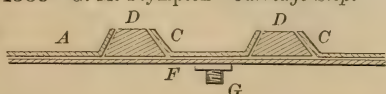
74584—T. C. Page—*Sewing Machine.*



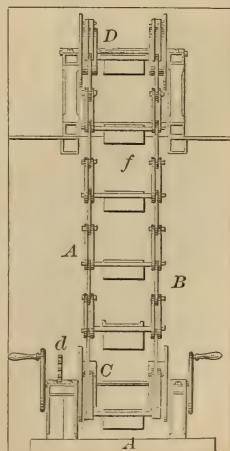
74588—B. P. Perry—*Head Block for Saw Mills.*



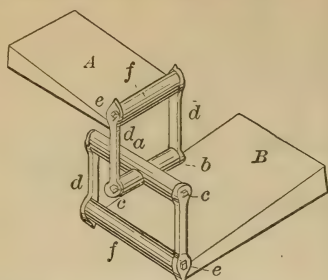
74589—G. M. Plympton—*Carriage Step.*



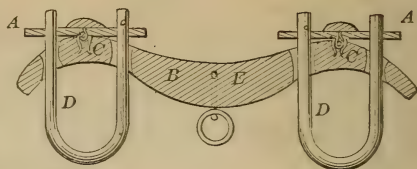
74590—A. Pohl—*Brick and Mortar Elevator.*



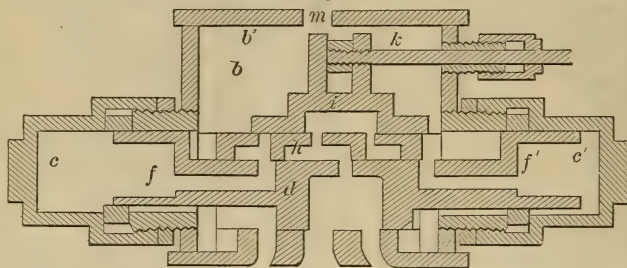
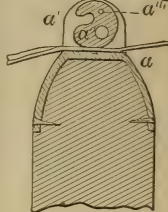
74591—J. Price—Wagon Shackle.



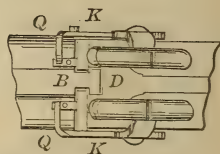
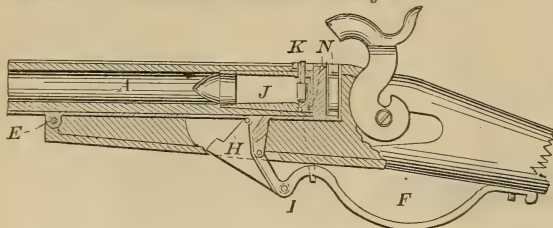
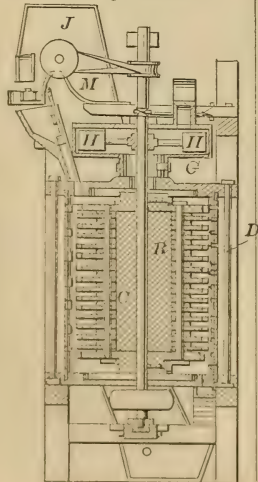
74592—H. Rawson—Yoke.



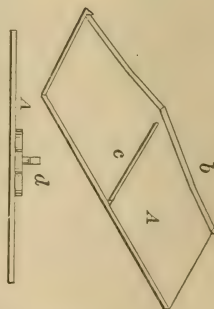
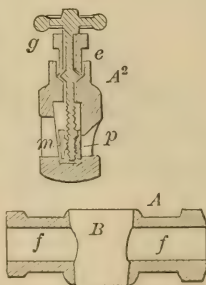
74593—J. Reichmann—Steam Engine Valve.

74596—
R. N. Roberts—
Hitching Post Cap.

74594—S. S. Rembert—Breech-Loading Fire Arm.

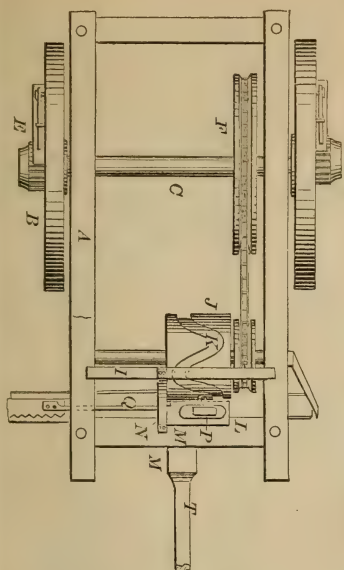
74595—W. Rickard—
Pearl Barley Machine.

74598—G. O. Roe—Plate Lifter.

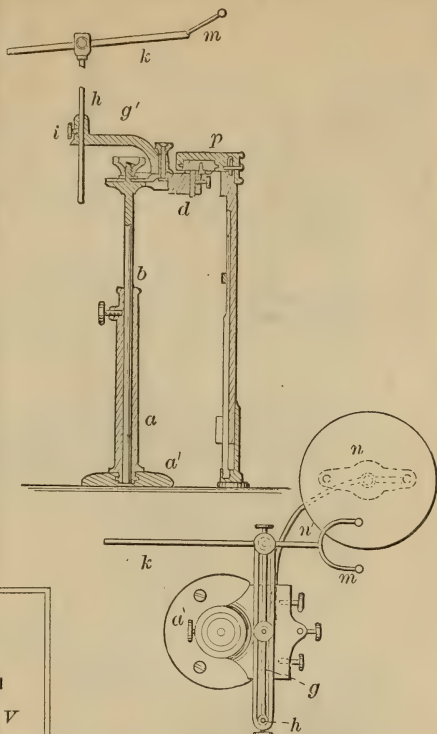
74597—L. C. Rodier—
Steam Globe Valve.

74599—E. T. Rogers—Boots and Shoes.

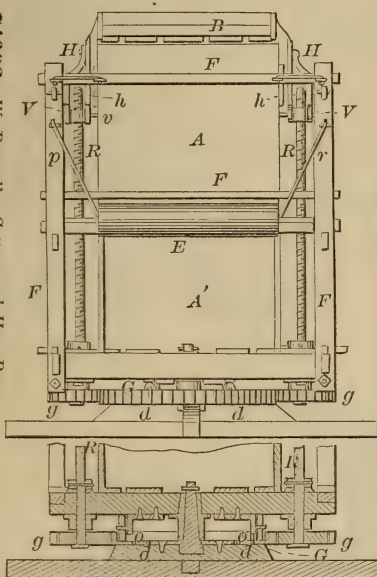
74600—W. Rose—*Harvester*.



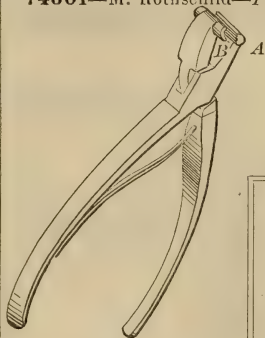
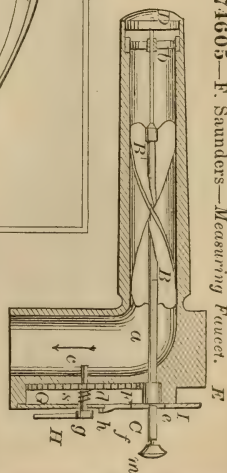
74604—N. Sarony—*Photographic Rest.*



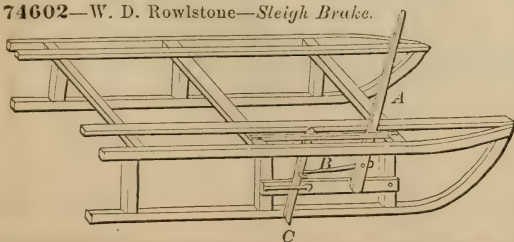
74603—W. Russell—Cotton and Hug Press.



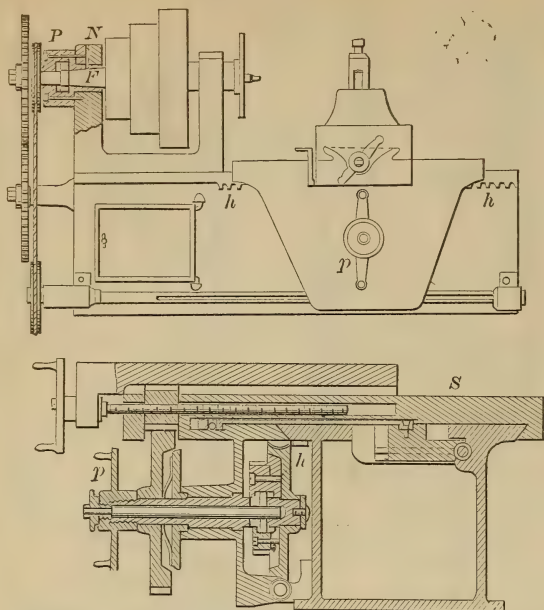
74601—M. Rothschild—*Pliers*.

74605—F. Saunders—*Measuring Faucet. F.*

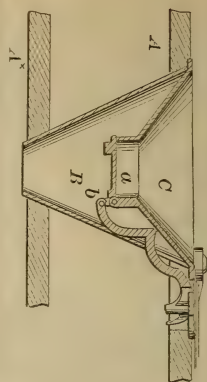
74602—W. D. Rowlstone—*Sleigh Brake*.



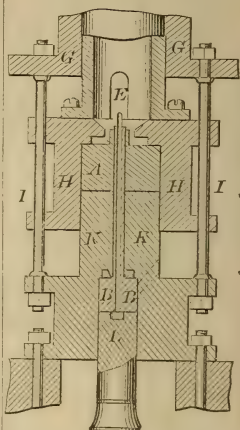
74609—W. Sellers—Lathe for Turning Iron.



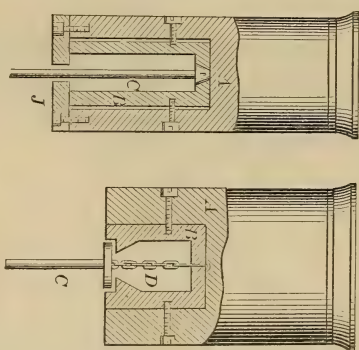
74610—J. H. Seymour—Spittoon for Cars.



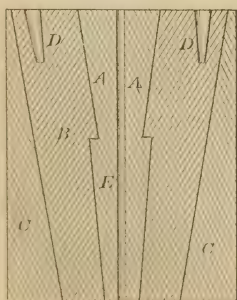
74612—W. A. Shaw—Manufacture of Tin-Lined Lead Pipe.



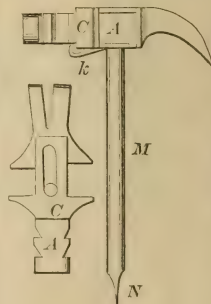
74611—W. A. Shaw—Manufacture of Tin-Lined Lead Pipe.



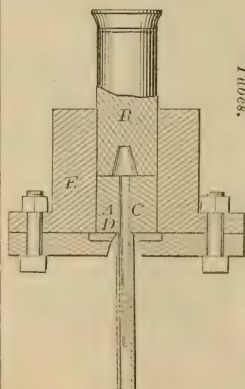
74613—W. A. Shaw—Lead Pipe.



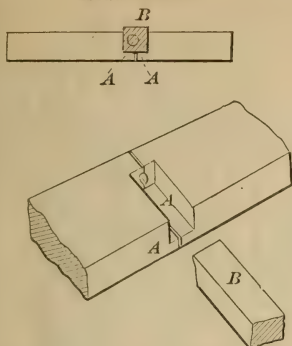
74615—O. Shepard—Hammer



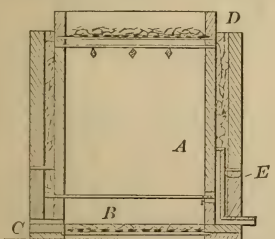
74614—W. A. Shaw—Making Tapering Tubes.



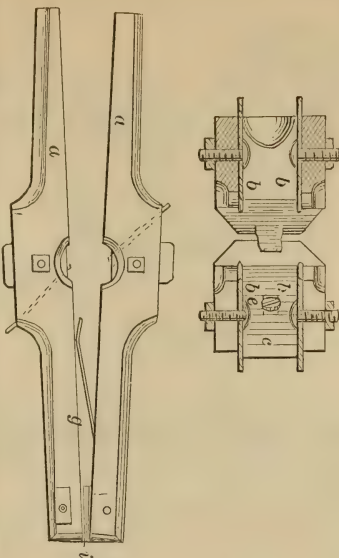
74616—W. Shields—Die for Square Headed Bolts.



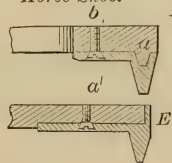
74618—W. Y. Singleton—Beehive.



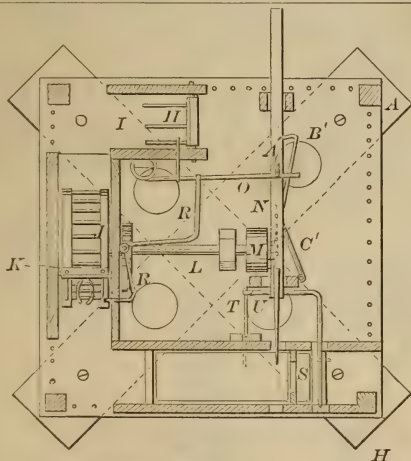
74619—R. T. Sutterley—Belted Tobacco.



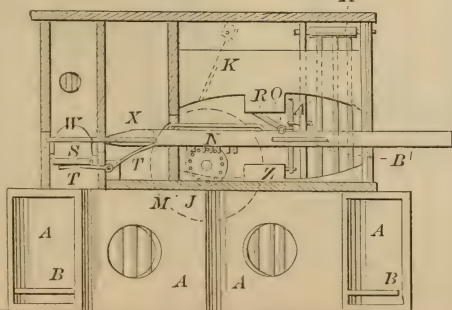
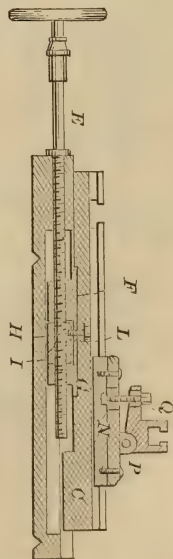
74620—G. W. Skinner—Horse Shoe.



74617—J. A. Sinclair—Animal Trap.



74621—H. K. Smith—Lath Rest.



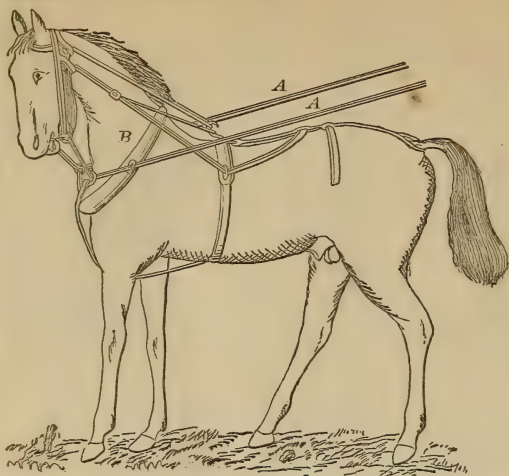
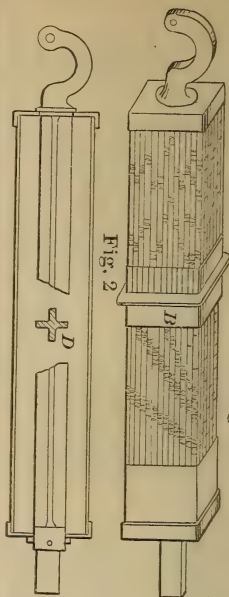
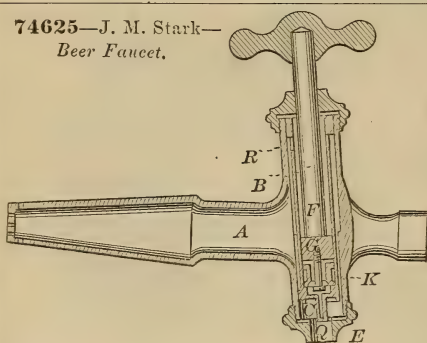
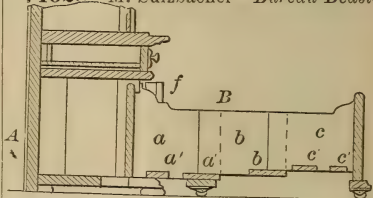
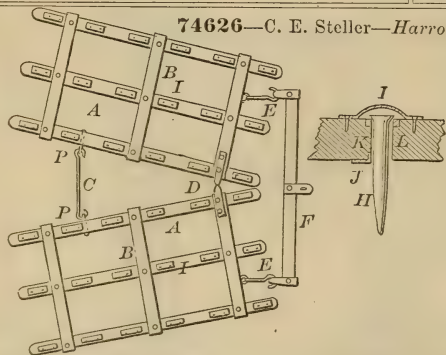
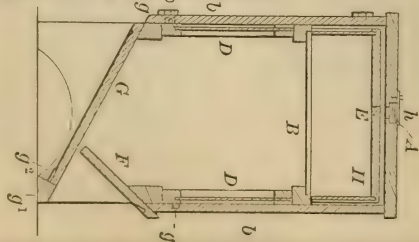
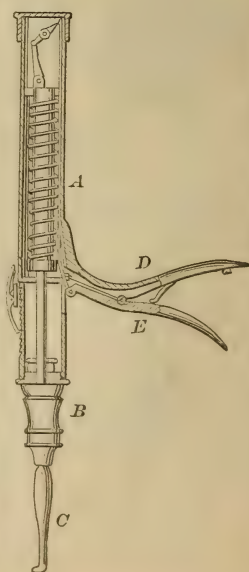
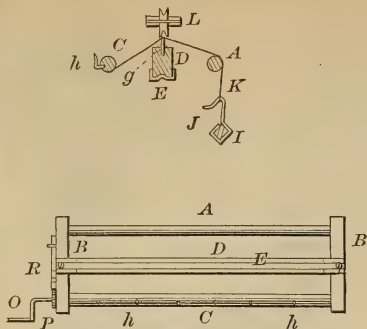
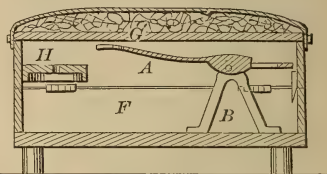
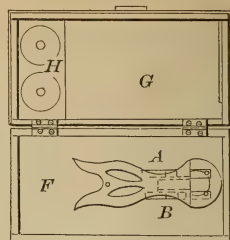
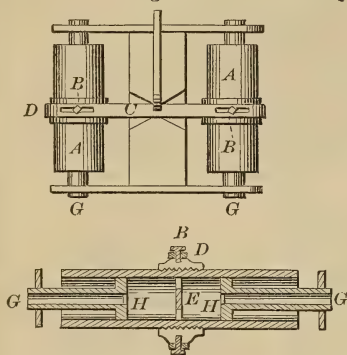
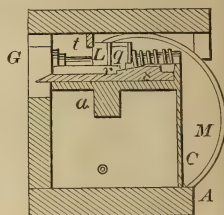
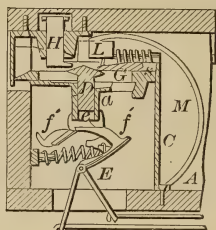
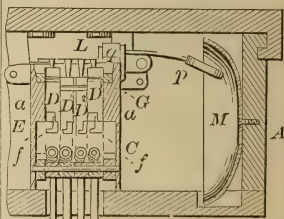
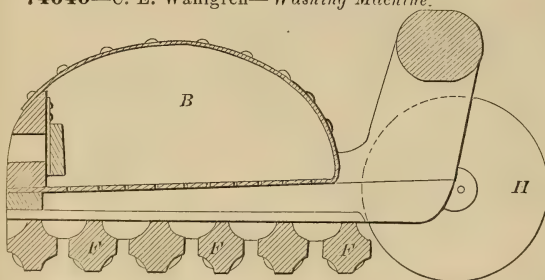
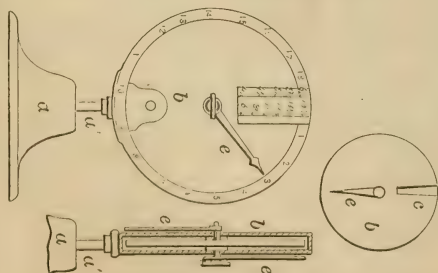
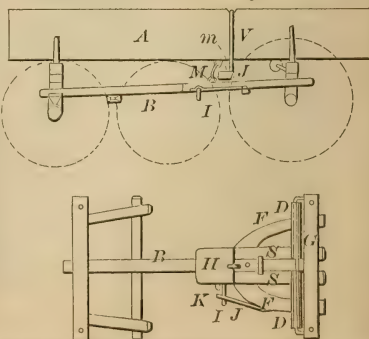
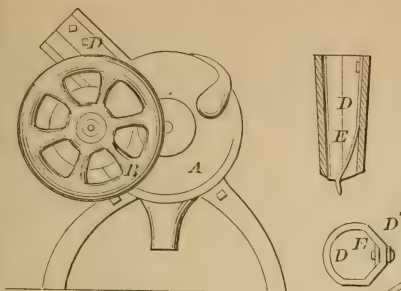
74623—J. J. Smokey—*Harness*74624—G. A. Smythe—*Calculating Scale Beam*,
Fig. 1

Fig. 2

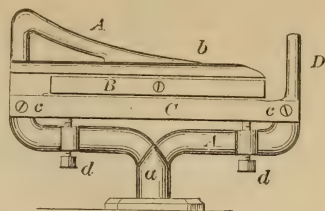
74625—J. M. Stark—*Beer Faucet*,74628—M. Sulzbacher—*Bureau Bedstead*74626—C. E. Steller—*Harrow*.74627—H. A. Stidger—*Beehive*.74629—S. C. Taylor—*Dental Instrument*.

74636—A. W. Todd—*Frame for Moving Cloth.***74637**—J. Vandercar—*Boot Blacking Apparatus.***74638**—Vaughan & McGee—*Pump.***74639**—J. J. Wagenhorst—*Till Alarm and Lock.***74640**—C. E. Wahlgren—*Washing Machine.***74641**—T. Wallworth—*Computing Apparatus.***74642**—J. Walton—*Wagon Brake.*

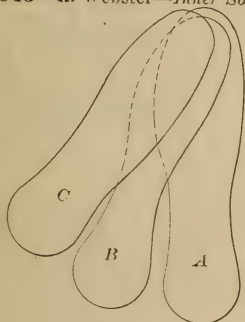
74643—J. Warren—Corn Sheller.



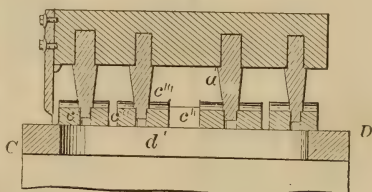
74644—W. G. Watson—Silk Cleaner.



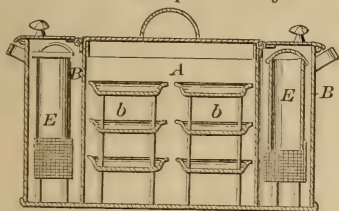
74645—R. Webster—Inner Sole.



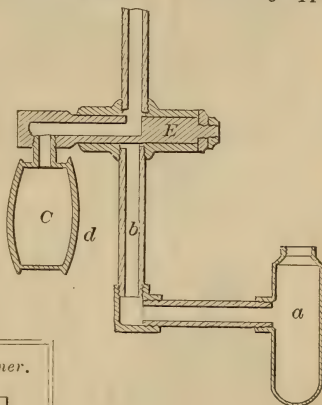
74646—B. G. Welch—Gang Punch.



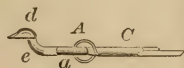
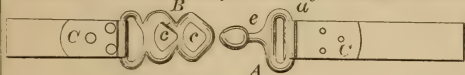
74647—West & Camp—Culinary Boiler.



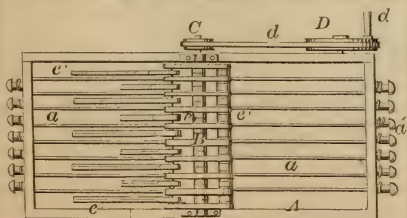
74648—A. J. White—Oil Burning Apparatus.



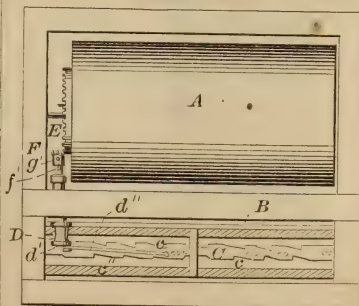
74649—E. P. Whitney—Carriage Curtain Fastener.



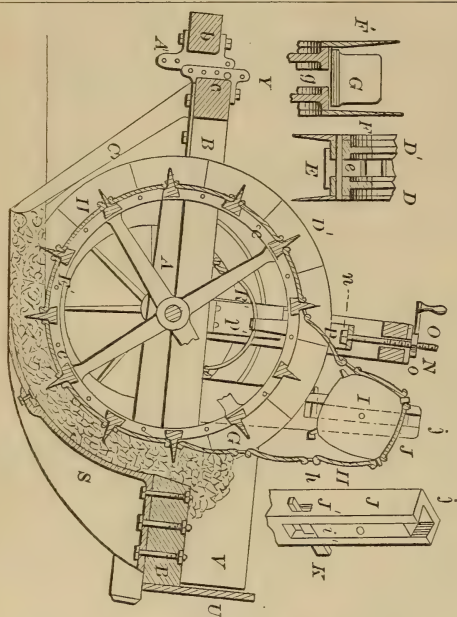
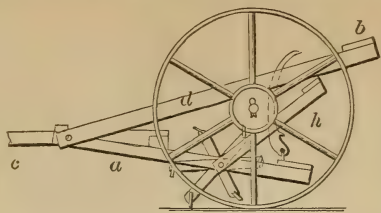
74650—A. S. Whittemore—Grain Thresher.



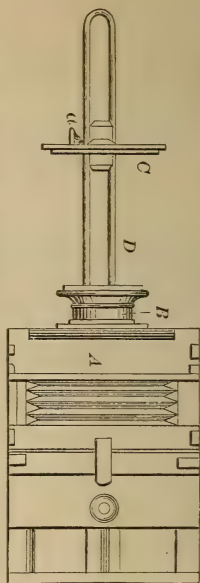
74651—D. Wilber—Seed Sower and Field Roller.



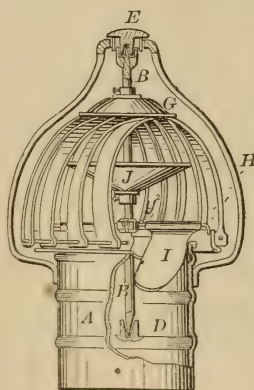
74652—J. D. & J. H. Wilde—Cornstalk Cutter.



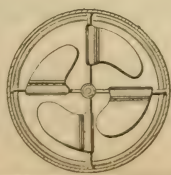
74653—L. M. Williams—Ditching Machine.



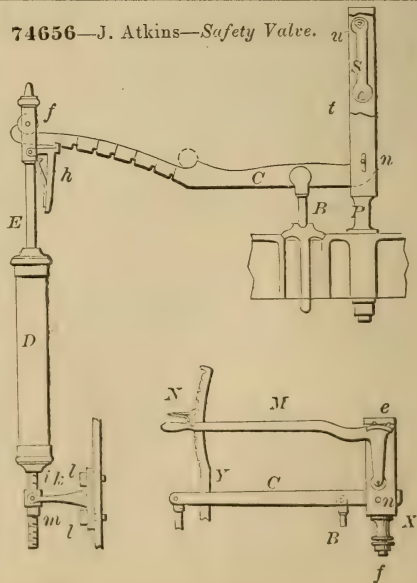
74654—F. Wolf—For Vignetting Photographic Negatives.



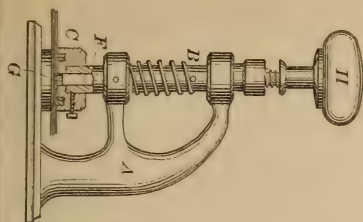
74655—H. B. North—Ventilator.



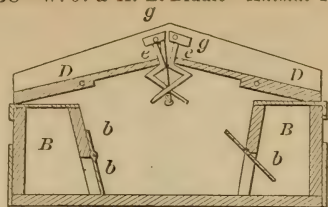
74656—J. Atkins—Safety Valve.



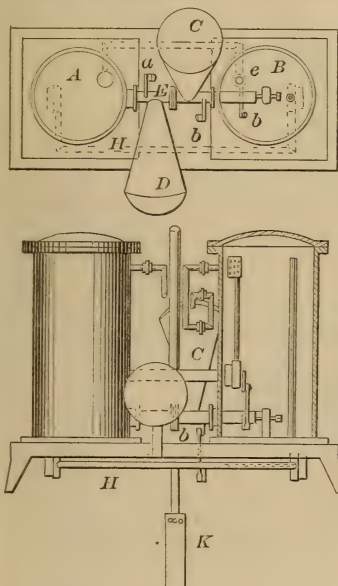
74657—J. H. Berret—*Hand Stamp.*



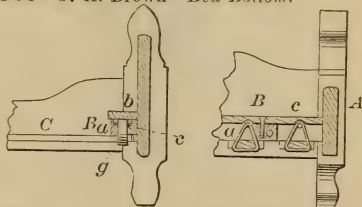
74658—W. J. & H. L. Biddle—*Animal Trap.*



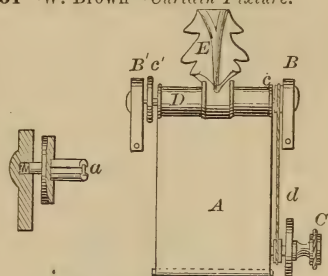
74659—E. Brockway—*Boiler Feeder.*



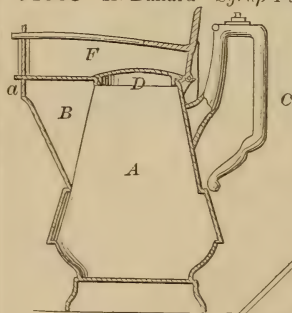
74660—J. H. Brown—*Bed Bottom.*



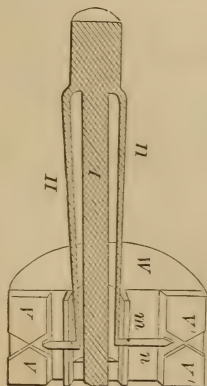
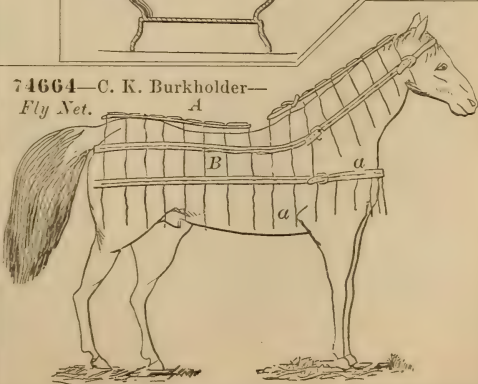
74661—W. Brown—*Curtain Fixture.*



74663—H. Bullard—*Syrup Pitcher.*

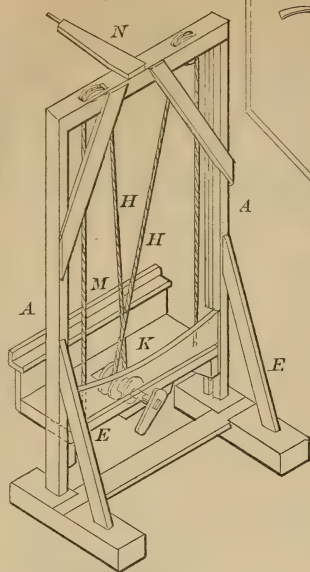


74664—C. K. Burkholder—*Fly Net.*

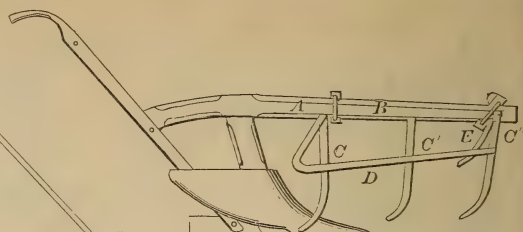


74662—H. T. Buff—*Rotary Steam Engine.*

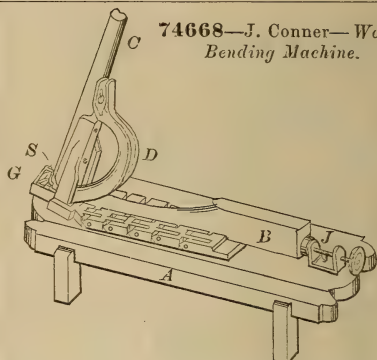
74665—O. S. Burton—*Staging.*



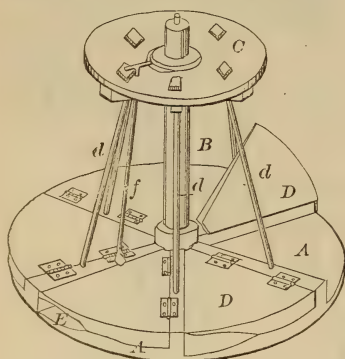
74666—S. Collins—*For Turning Down and Burying Stalks.*



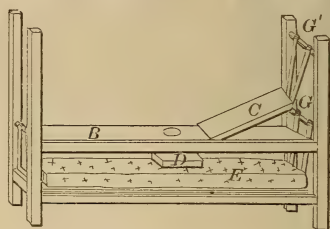
74668—J. Conner—*Wood Bending Machine.*



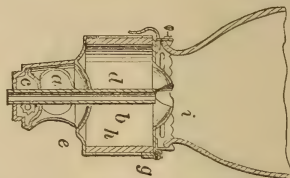
74667—B. D. Compton—*Water Wheel.*



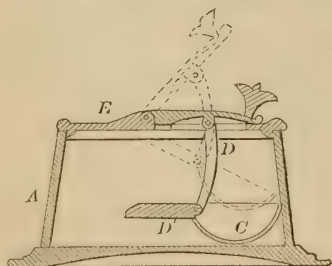
74669—H. Conway—*Hospital Bed.*



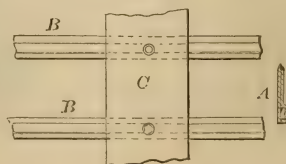
74670—Dailey, Johnson & Du Bois—*Lamp.*



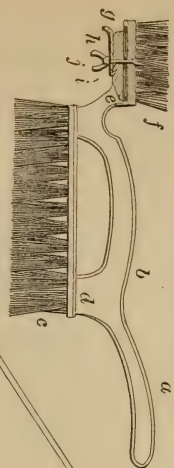
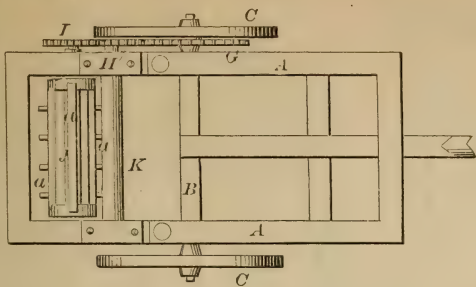
74671—O. Dean—*Inkstand.*



74672—De Forest & Gilbert—*Hooped Skirt Spring.*

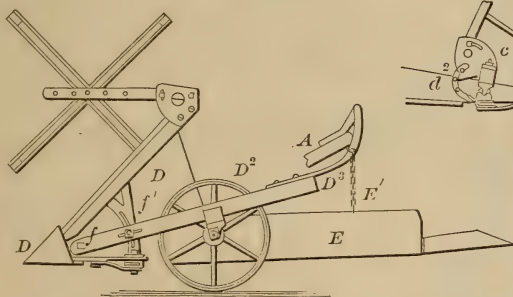
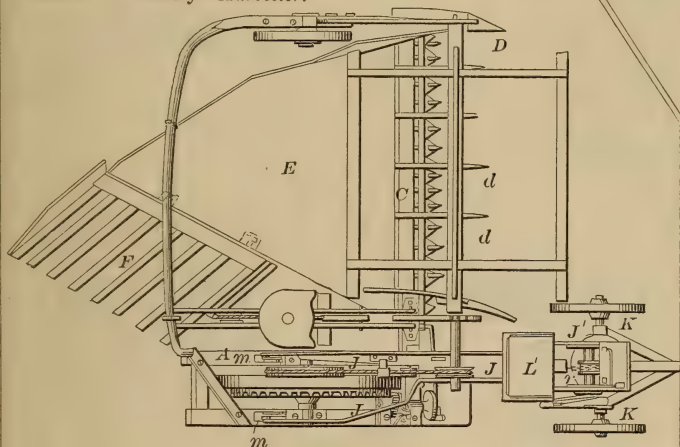


74673—D. L. Dickson—Harrow.

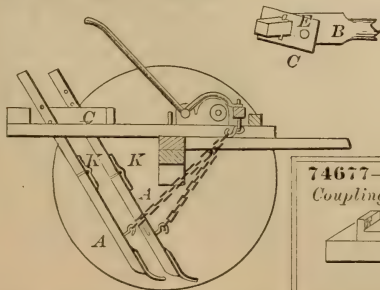


74674—J. H. Doughty—Bleeking Brush.

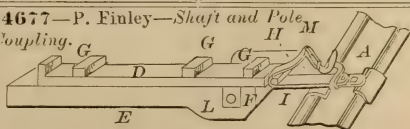
74676—G. Esterly—Harvester.



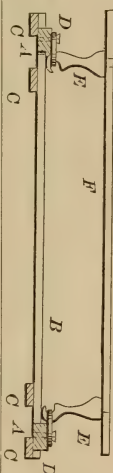
74678—J. Frank—Cultivator.



74677—P. Finley—Shaft and Pole Coupling.

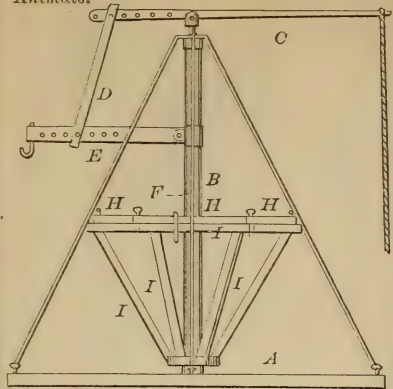


74679—Gaines & Scott—Plow Mould Boards.

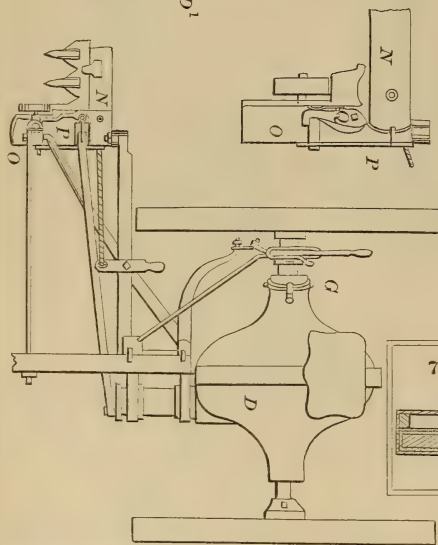
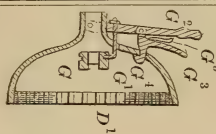
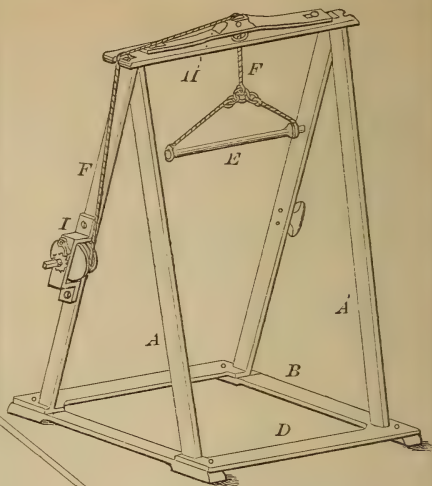


74675—W. J. Emens—Spring Bed Bottom.

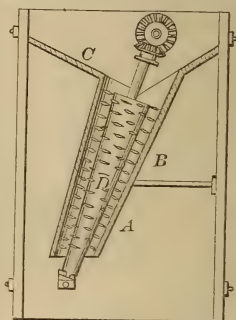
74681—A. Graves—*For Handling Animals.*



74683—G. W. S. Hall—*Exercising Apparatus.*

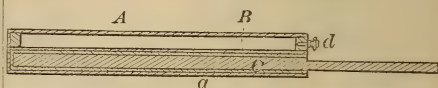


74685—B. G. H. Hathaway—*Hooverer*

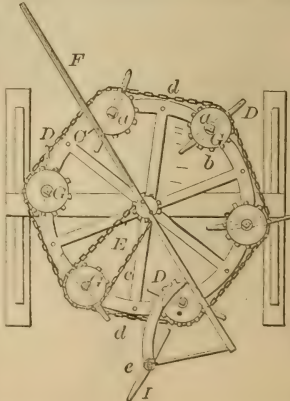


74682—Z. G. Greenleaf—*Ball and Vegetable Cutter.*

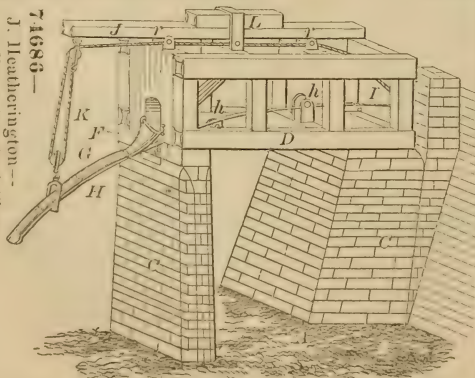
74684—J. P. Hall—*Razor Strop.*



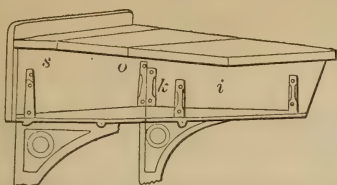
74687—J. Hidden—*Wind Wheel.*



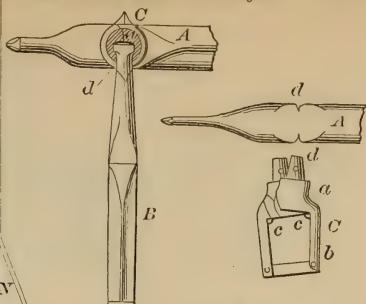
74686—*J. Weatherington—
Extension Coal Chute.*



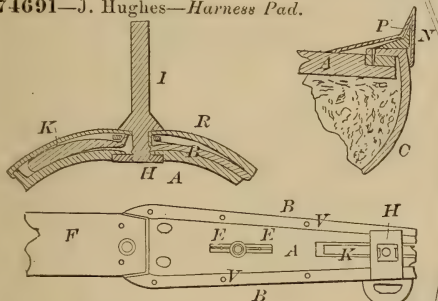
74688—G. W. Hildreth—School Desk.



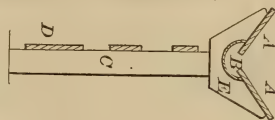
74689—E. Hitt—Carriage.



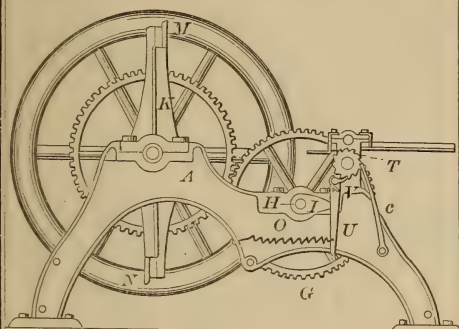
74691—J. Hughes—Harness Pad.



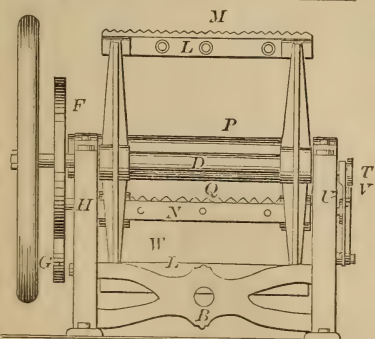
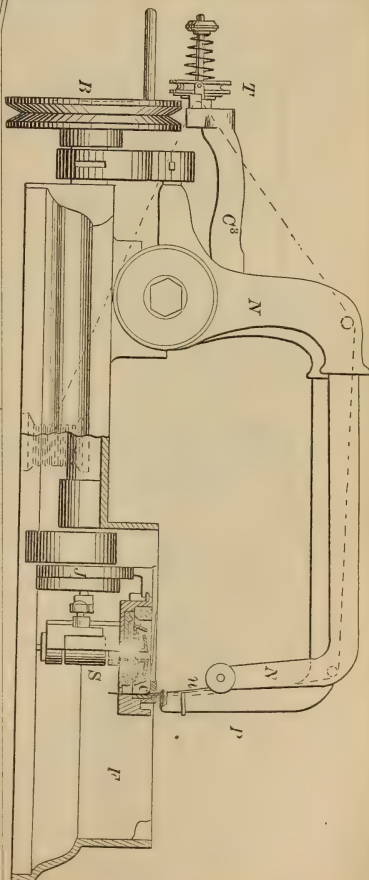
74690—L. Howe—Fence.



74693—J. M. Jay—For Cutting Glaziers' Points.



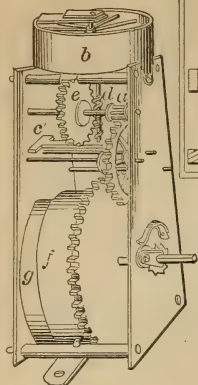
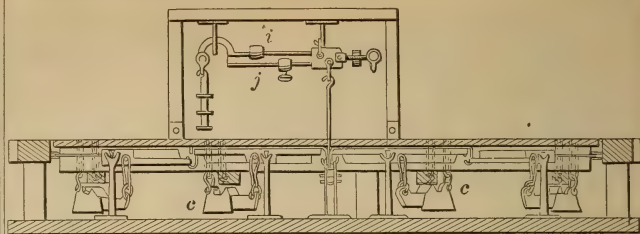
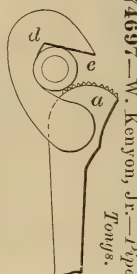
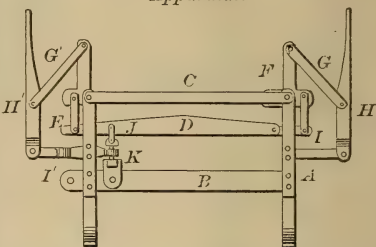
74694—G. L. Jencks—Sewing Machine.



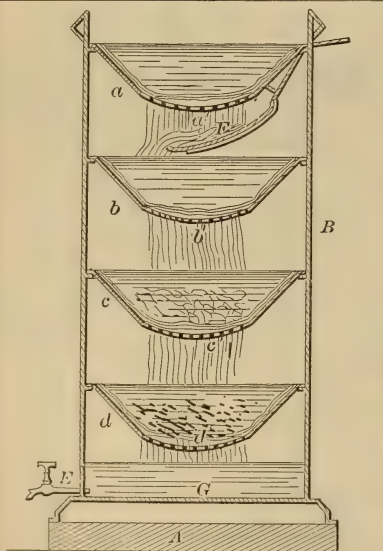
74692—E. D. Ives—Picture Knob.



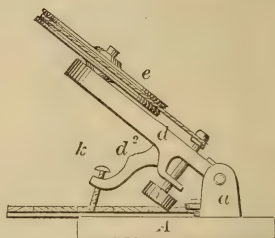
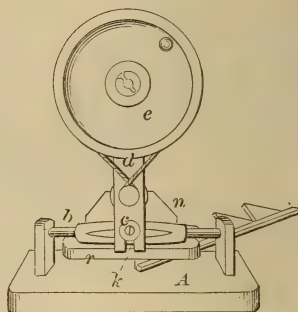
74696—J. F. Keeler—Platform Scale.

74695—G. A. Jones—
Lamp Train.74697—W. Kenyon, Jr.—Type
Tongs.74700—I. Lamplugh—Punching
Apparatus.

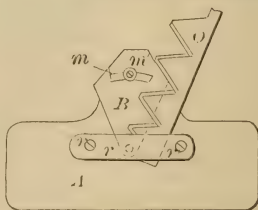
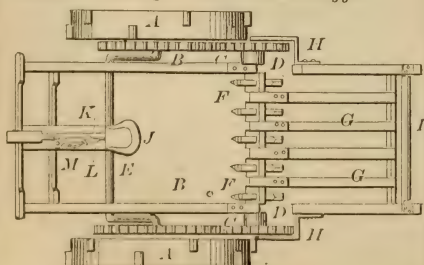
74698—J. D. Kirkpatrick—Filtering Burning Fluid.



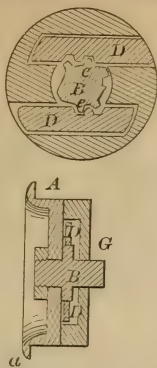
74701—W. H. Lambach—For Grinding Moving Machine Cutters.



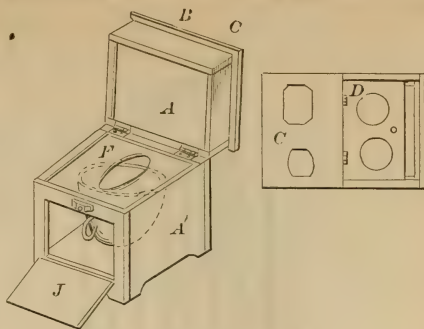
74699—Koenig & Otto—Potato Digger.



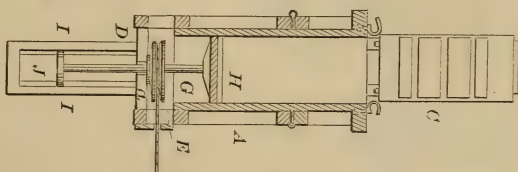
74702—J. B. Lefferson—Bung.



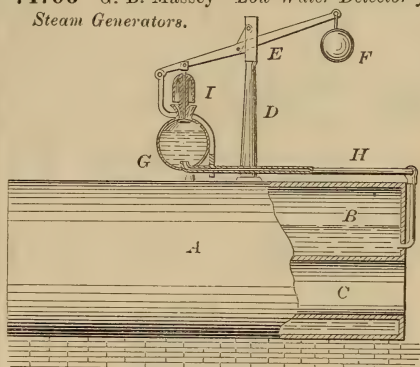
74705—J. Macferran—Blacking Case and Closet.



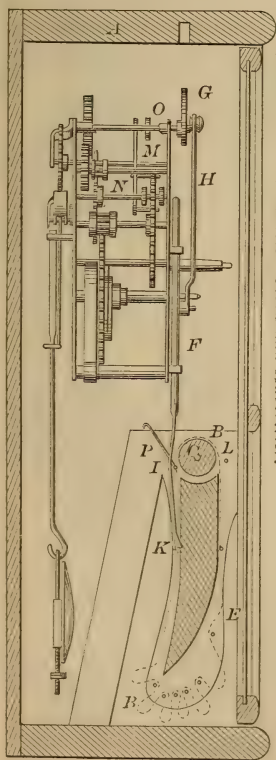
74703—C. Lent—Hay and Cotton Press.



74706—G. B. Massey—Low Water Detector for Steam Generators.



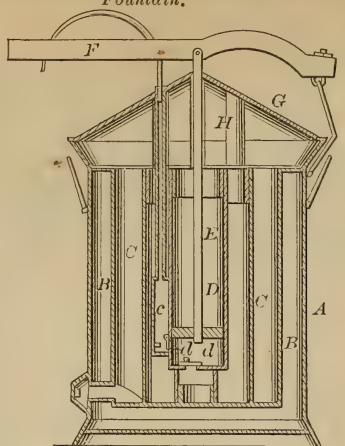
74704—G. M. Levette—Clock and Advertiser.



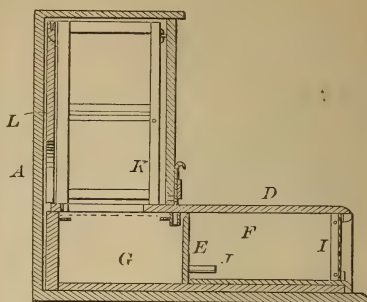
74707—D. S. McNamara—Shoe.



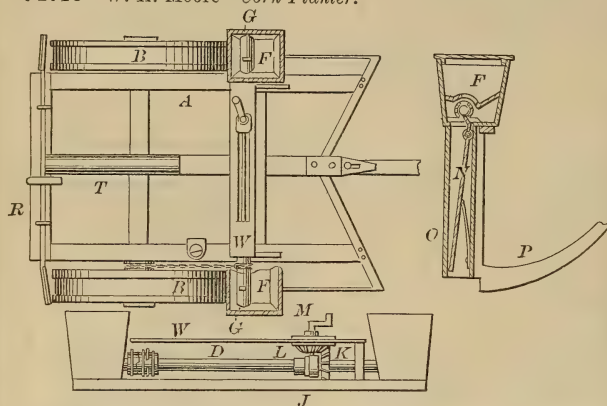
74708—Milroy, Vaughn & Turley—Soda Fountain.



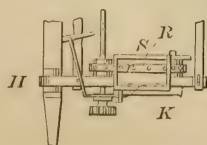
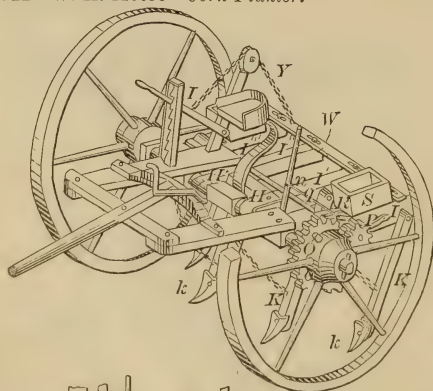
74709—N. C. Mitchell—Beehive.



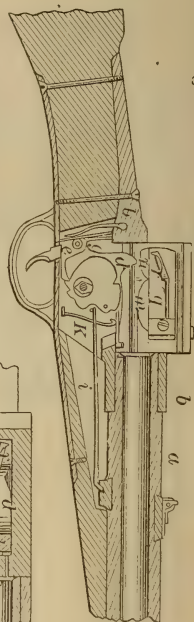
74710—W. H. Moore—Corn Planter.



74711—W. H. Moore—Corn Planter.



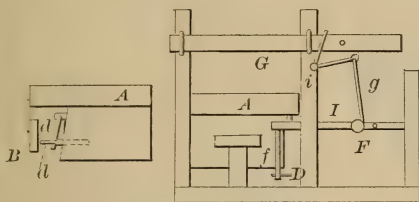
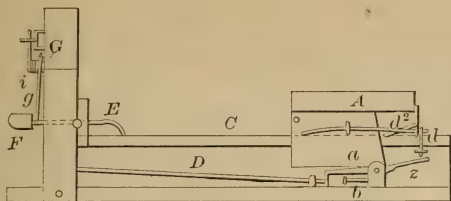
74712—W. Morgenstern—Fire Arm.



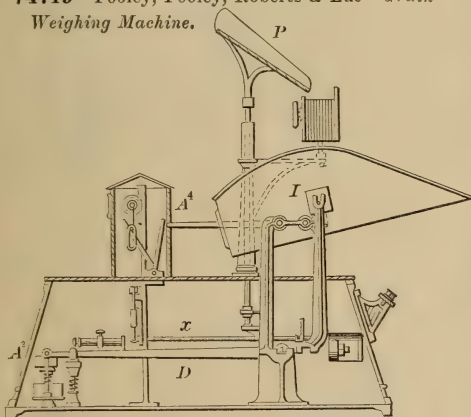
74713—G. R. Nebinger—Clothes Line Clamp.



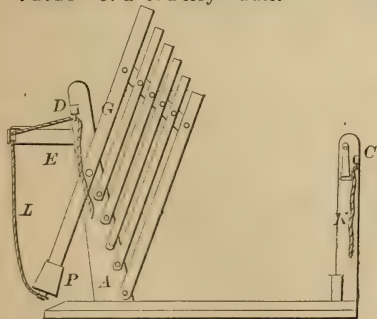
74714—T. Netherwood—*Spinning Jack.*



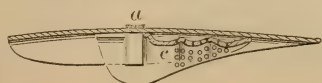
74719—Pooley, Pooley, Roberts & Luc—*Grain Weighing Machine.*



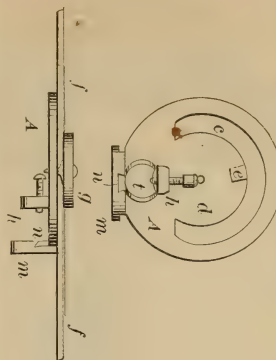
74716—O. & C. Perry—*Gate.*



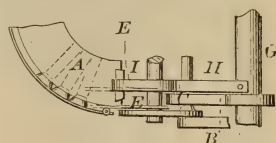
74720—E. L. Pratt—*Pen.*



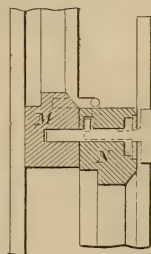
74715—W. B. Noyes—*Clothes Dryer.*



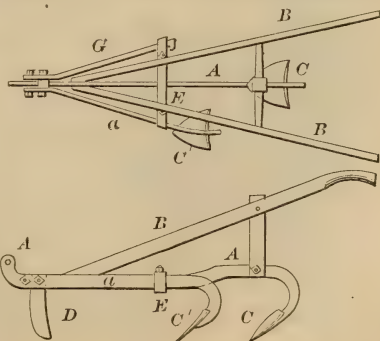
74717—E. S. Pierce—*For Conveying Screw Blanks.*

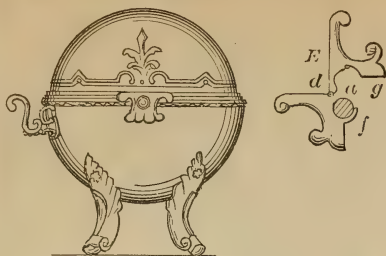
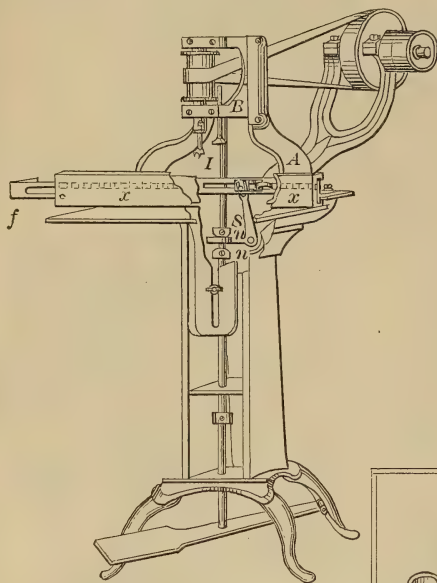
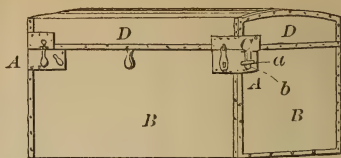
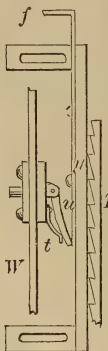
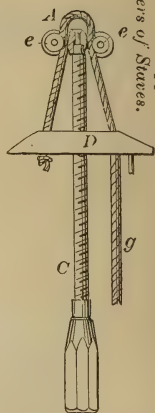
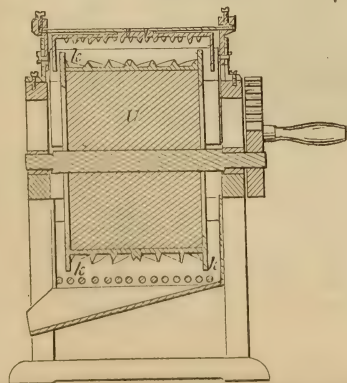
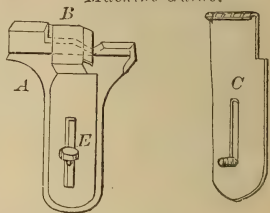
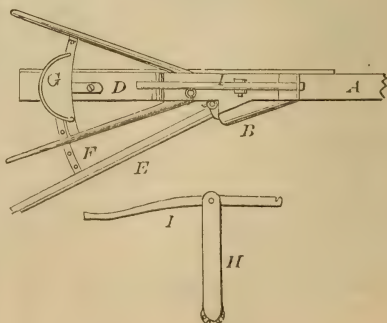


74718—I. Pierson—*Window Sash Fastener.*

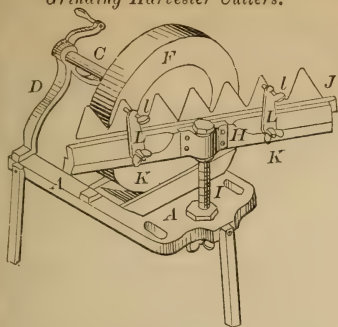


74721—B. F. Ream—*Plow and Cultivator.*

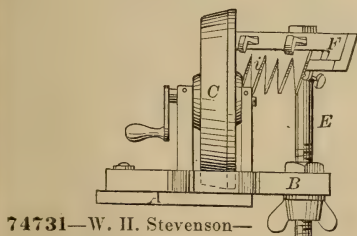
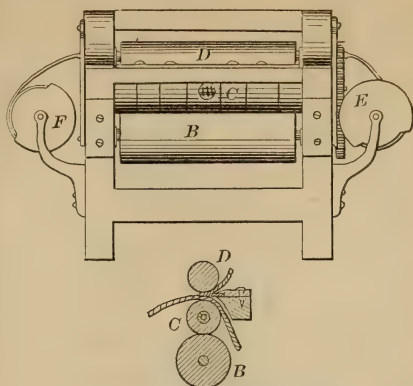


74722—I. A. Richards—*Butter Dish.*74723—E. Semple—*Trunk.*74724—J. N. Seymour—*Spacing and Boring Machine.*74725—W. Shepperman—*Clamp for Trussing Cylinders of Staves.*74726—E. F. Sherman—*Corn Sheller.*74727—L. C. Session—*Sewing Machine Guide.*74728—O. C. Squyer—*Pencil Sharpener.*74729—S. W. Standart—*Plow.*

74730—W. H. Stevenson—*For Grinding Harvester Cutters.*

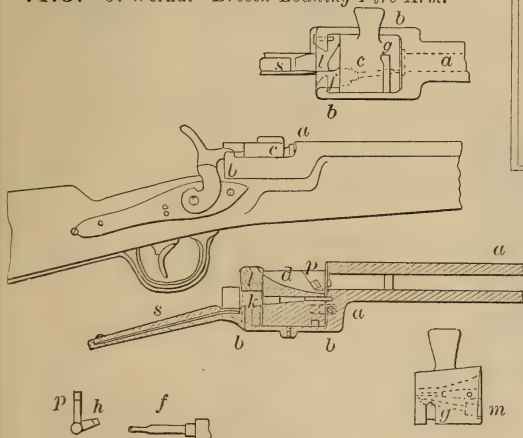


74734—F. J. Vittum—*Leather Splitting Machine.*

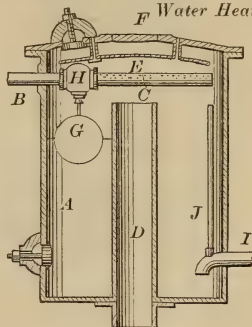


74731—W. H. Stevenson—*For Grinding Harvester Cutters.*

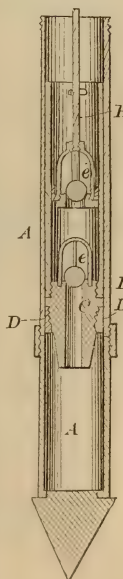
74737—J. Werndl—*Breech-Loading Fire Arm.*



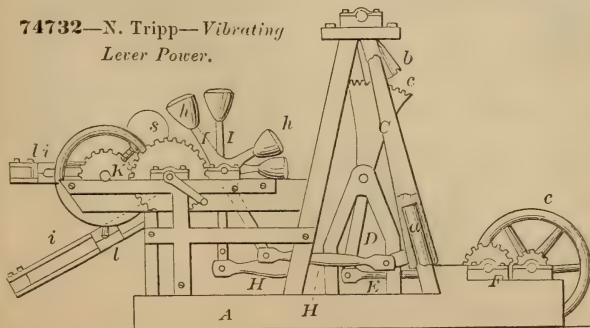
74735—H. N. Waters—*Feed Water Heater.*

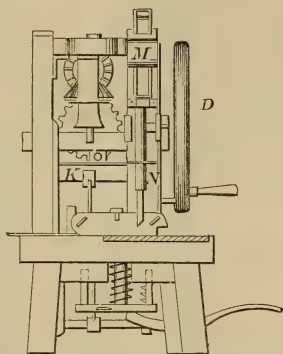
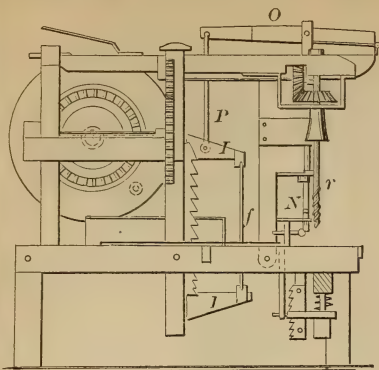
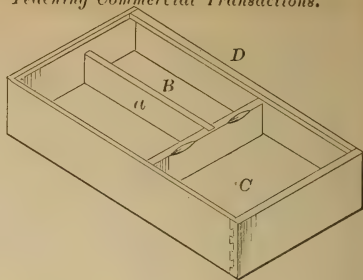
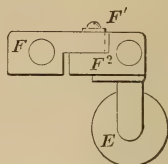
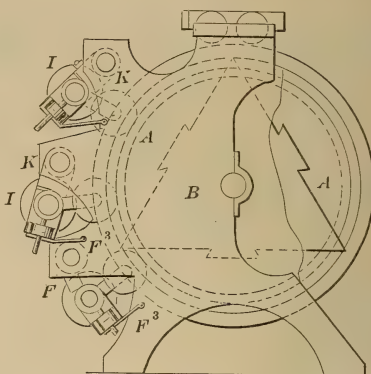
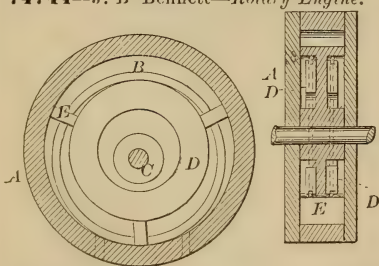
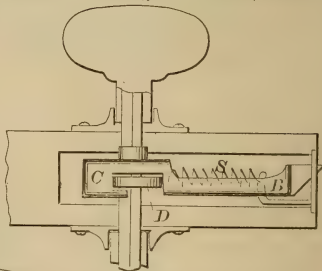
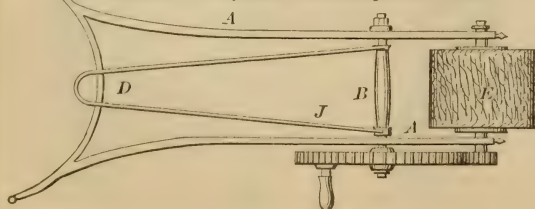


74738—J. T. Whipple—*Deep Well Pump.*

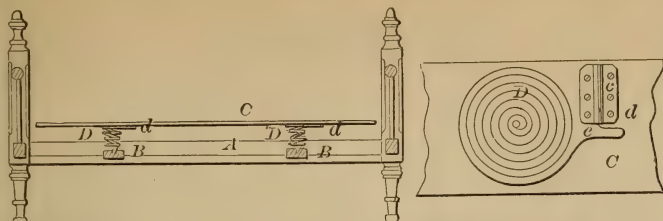


74732—N. Tripp—*Vibrating Lever Power.*

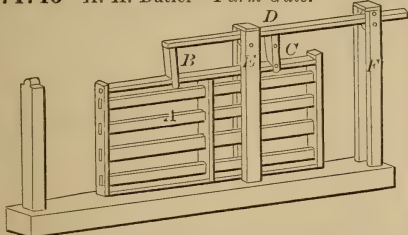


74739—L. W. Wolfe—*Mortising Machine.***74740**—C. A. Walworth—*Device for Teaching Commercial Transactions.***74741**—G. W. Wool—*Color Printing Press.***74744**—J. B. Bennett—*Rotary Engine.***74742**—S. W. Baker—*Horse Blanket.***74746**—A. Bingham—*Knob Latch.***74743**—J. Bayston—*Revolving Hair Brush.***74745**—J. M. Bent—*Shoe Nail.*

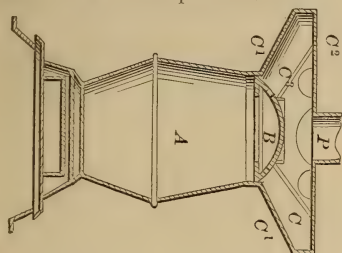
74747—Bouton & Ames—Spring Bed Bottom



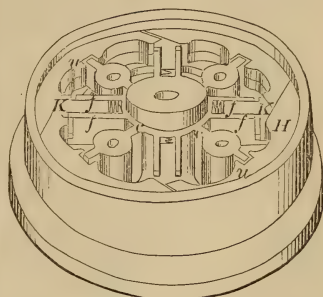
74746—H. H. Butler—Farm Gate.



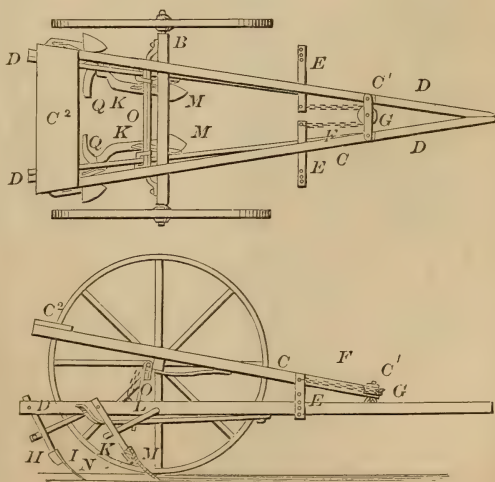
74753—E. A. De Camp—Coal Store.



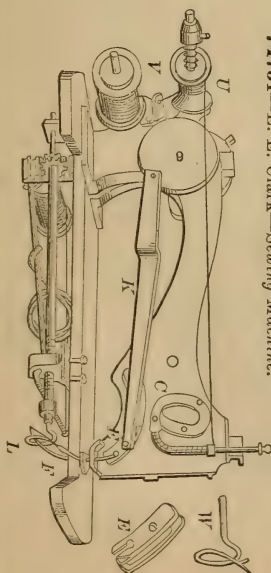
74750—S. E. & I. Y. Chubbuck—Piston.



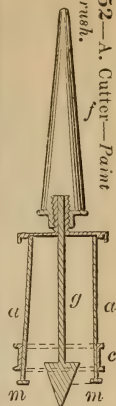
74754—E. S. Easterday—Sulky Cultivator.



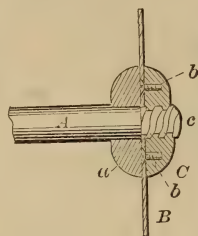
74751—E. E. Clark—Sewing Machine.



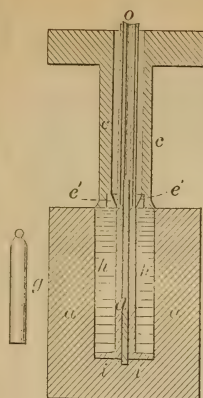
74752—A. Cutter—Paine Brush.



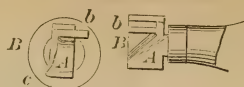
74749—E. Calley—Attaching Circular Saws to Mandrels.



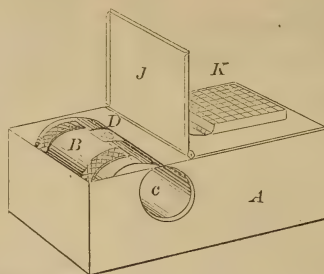
74755—L. Farrell—Manufacture of Tin-Lined Lead Pipe.



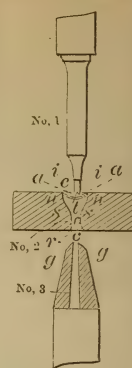
74757—A. V. Hill—Work Trimmer for Boots and Shoes.



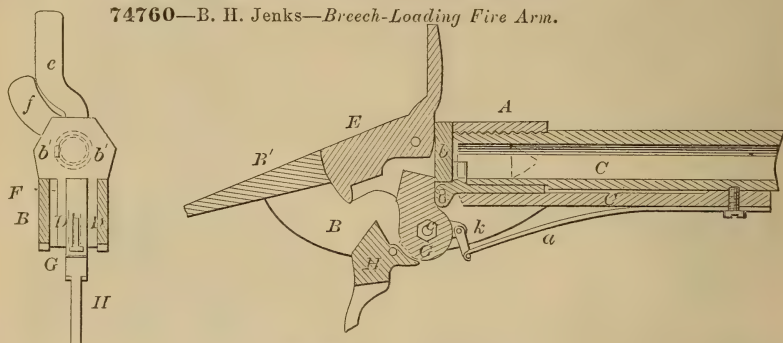
74759—S. Huffman—Animal Trap.



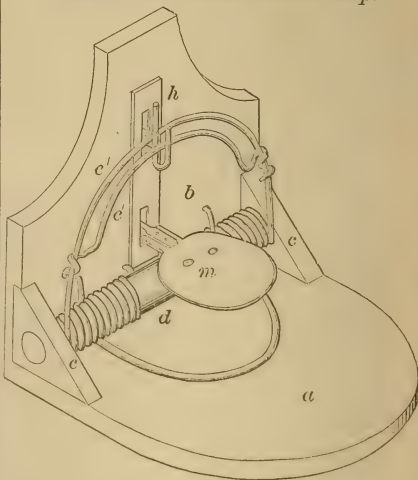
74758—D. K. Hoxsie—For Making Eyeclets.



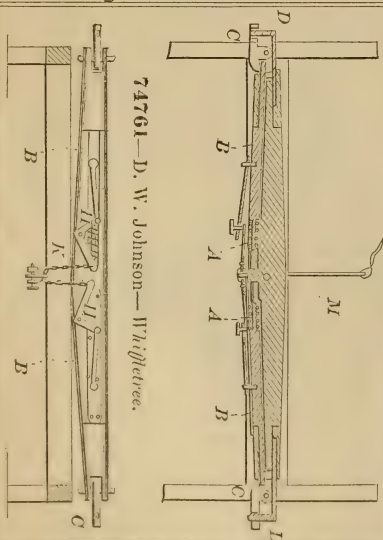
74760—B. H. Jenks—Breech-Loading Fire Arm.



74762—W. W. Leech—Animal Trap.



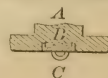
74761—D. W. Johnson—Night-vision.



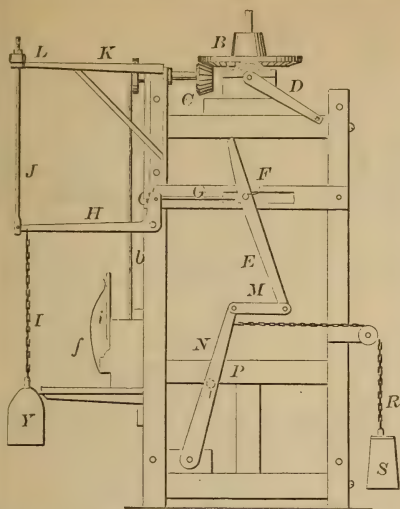
74763—H. Merrill—Knife and Fork Scurer.



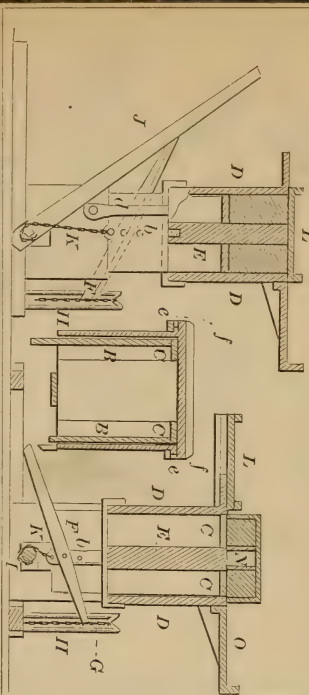
74764—L. Moses—Button.



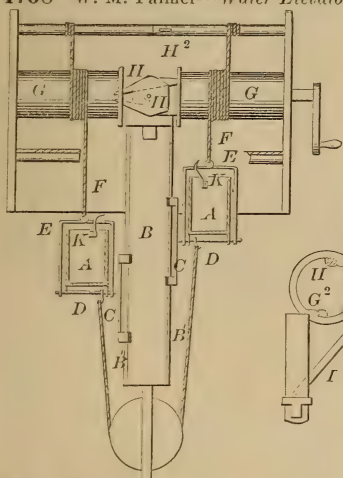
74765—Nye & Knisely—Brick Machine.



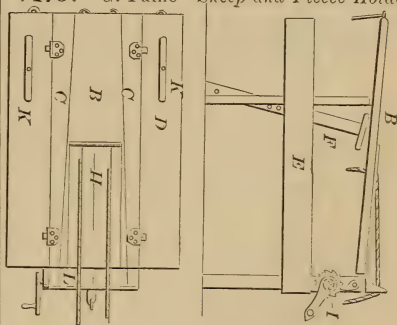
74769—I. Pardee—Concrete Brick Machine.



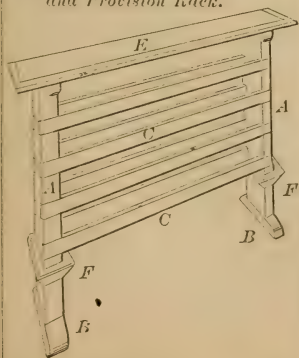
74768—W. M. Palmer—Water Elevator.



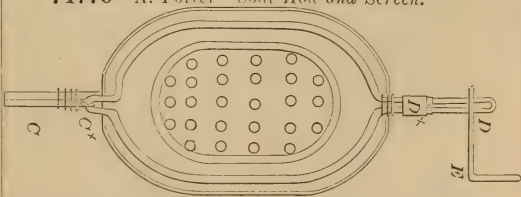
74767—G. Paine—Sheep and Fleece Holder.



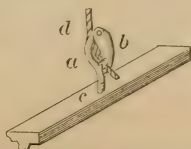
74766—E. Osborn—Milk and Provision Rack.

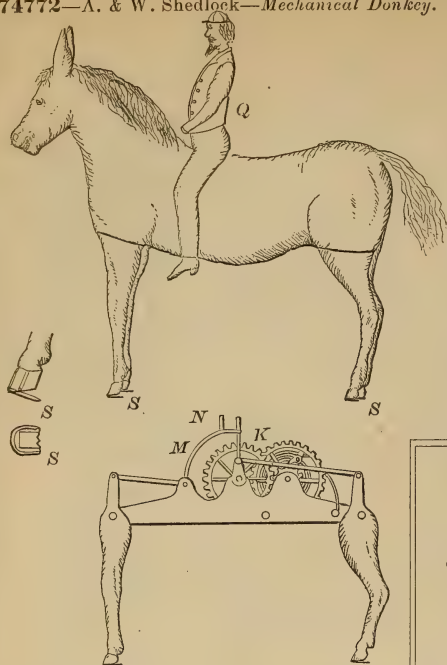
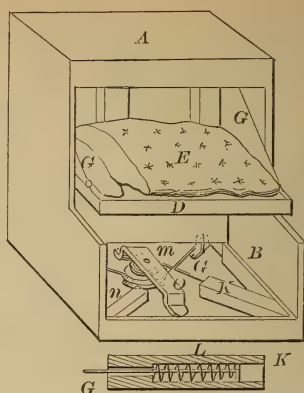
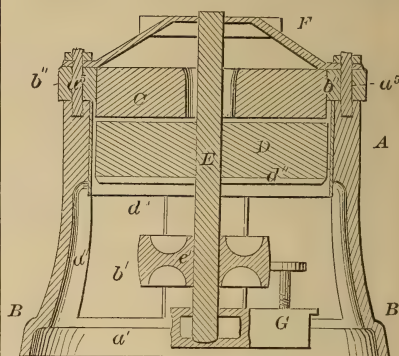
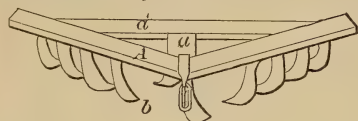
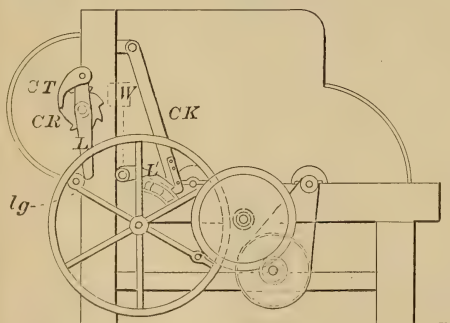
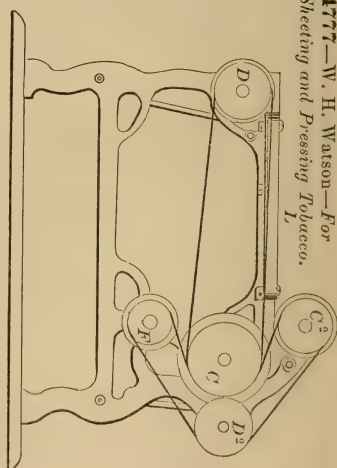


74770—A. Porter—Coal Hod and Screen.

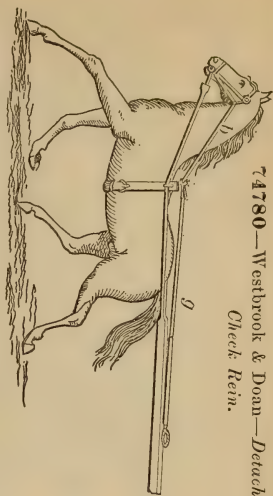
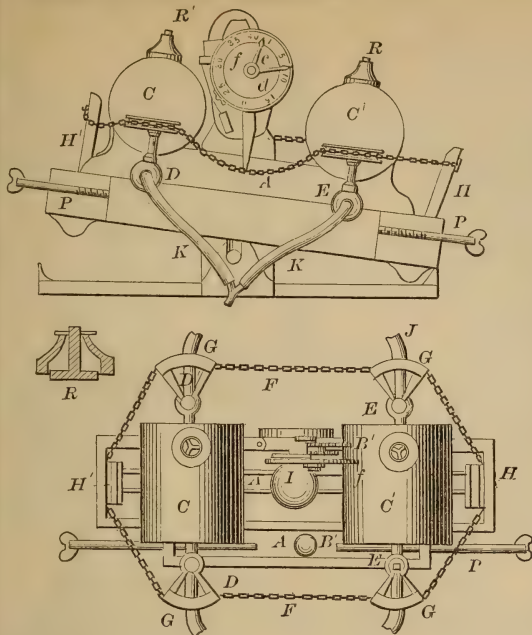


74771—W. Read, Jr.—Cord Retainer for Pictures.



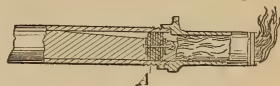
74772—A. & W. Shedlock—*Mechanical Donkey.*74773—W. B. Snow—*Car Berth.*74774—A. W. Straub—*Grinding Mill.*74775—C. F. Taylor—*Cultivator.*74776—J. W. Thorn—*Cotton Cleaner.*74777—W. H. Watson—*For Sheet and Pressing Tobacco.*

74778—J. W. Weller—Fluid Meter.

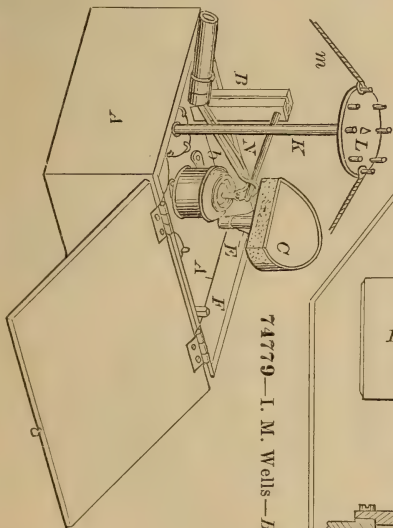
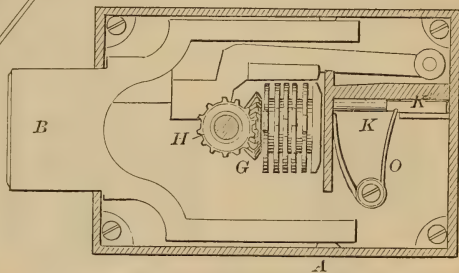


74780—Westbrook & Doan—Detaching Check Rein.

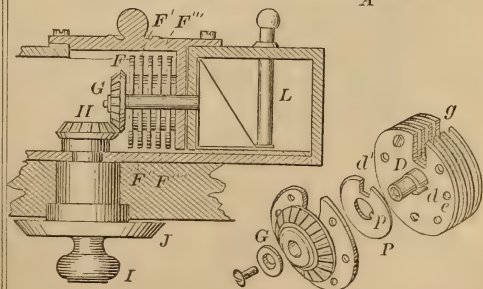
74782—L. H. Whitney—Fire Lighter.

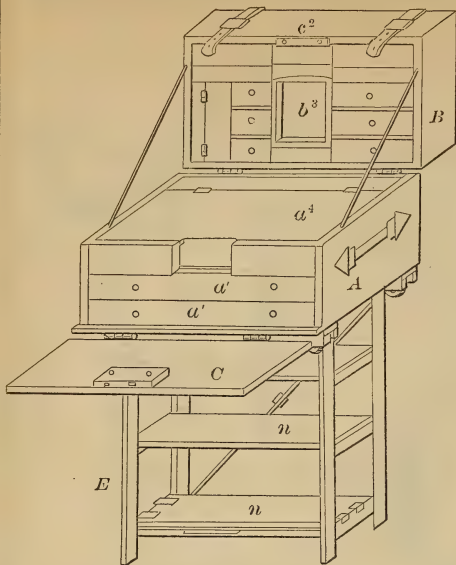
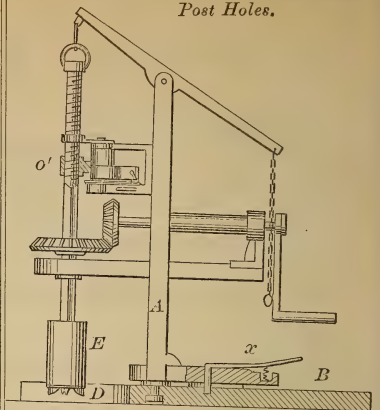
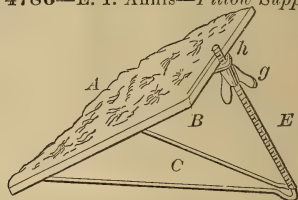
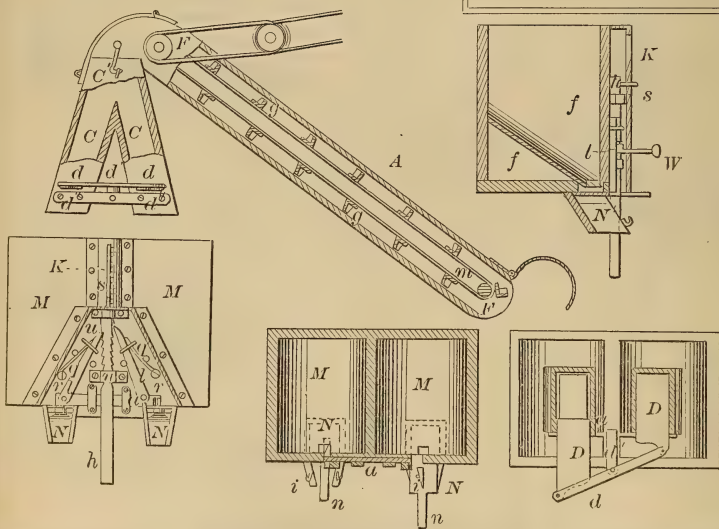
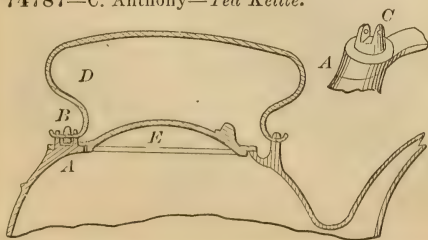
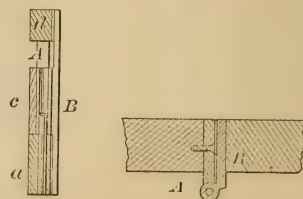


74781—A. Wetzel—Permutation Lock.



74779—I. M. Wells—Burglar Alarm

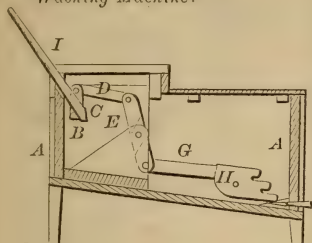


74783—J. N. Wunderlich—*Travelers' Trunk.*74785—A. Q. Allis—*For Boring Post Holes.*74786—E. I. Annis—*Pillow Support.*74784—W. F. Abbott—*Measuring Attachment to Threshing Machines.*74787—C. Anthony—*Tea Kettle.*74788—M. A. Avery—*Butt Hinge.*

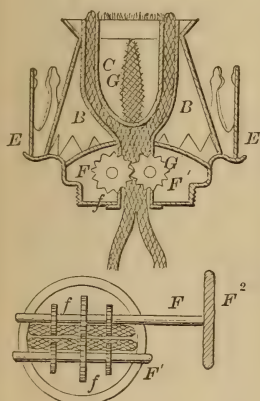
74789—J. Bangs—Belaying Cleat.



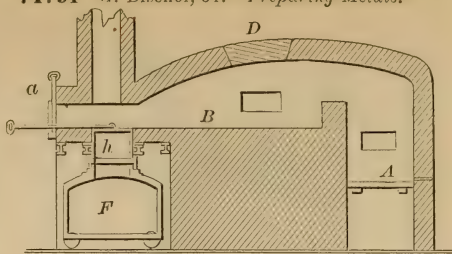
74790—P. F. Bindewald—Washing Machine.



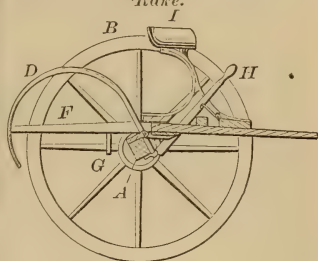
74793—A. W. Browne—Lamp Burner.



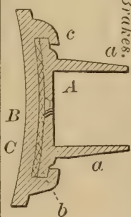
74791—G. Bischof, Jr.—Preparing Metals.



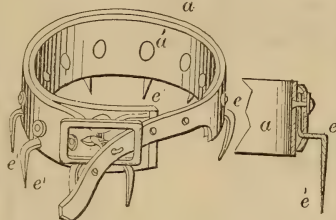
74794—E. W. Bullard—Horse Rake.



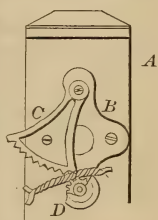
74792—J. Brann—Shoe for Car Cur Brakes.



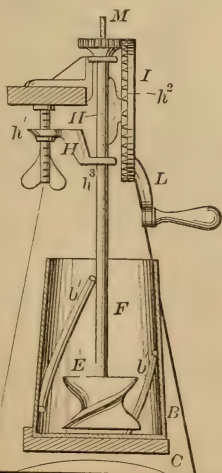
74795—Carson & Peter—Cattle Pricker.



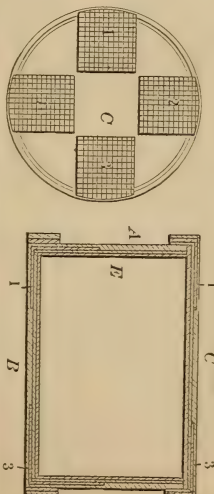
74798—A. Comey—Clothes Line Holder.



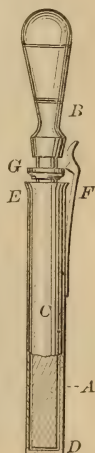
74796—C. H. Carver—Churn.

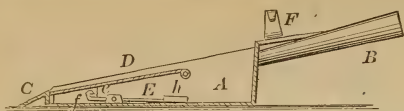
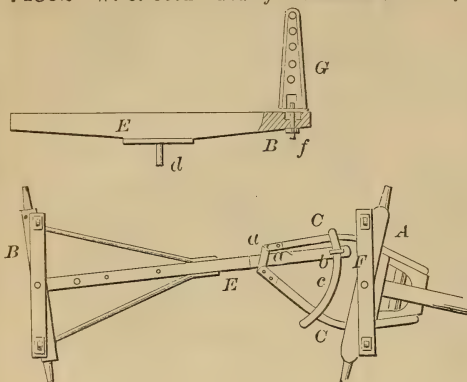
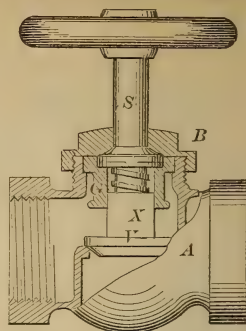
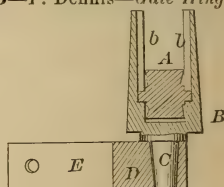
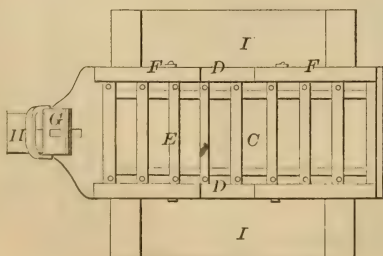
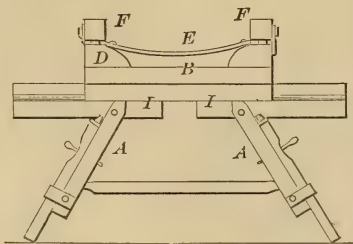
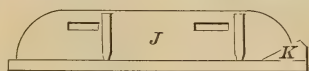
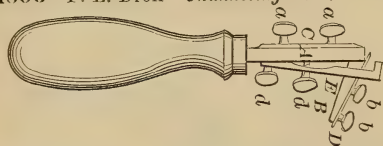
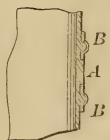
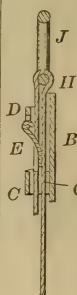
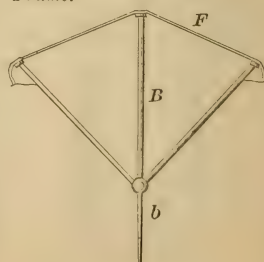


74797—D. M. Cole—Cheese Box.

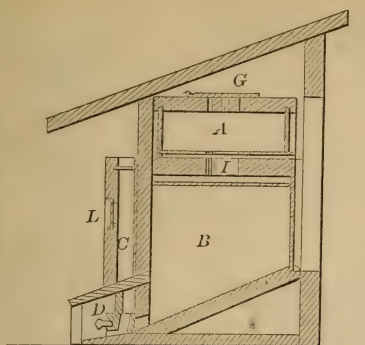


74800—S. E. Condon—Curving Iron.

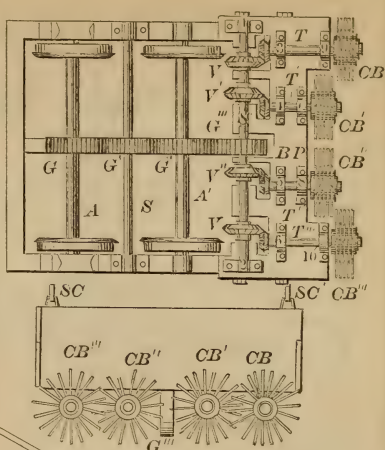


74801—S. E. Condon—*Dust Pan.*74802—W. C. Cook—*Gear for Wheeled Vehicles.*74803—W. S. Cooper—*Globe Valve.*74805—P. Dennis—*Gate Hinge.*74806—F. E. Droll—*Chameling Tool.*74808—G. Fenton—*Sheep Shearing Table.*74804—E. M. Davis—*Securing Labels on Glassware.*74807—S. W. Durham—*Strap Fastener.*74809—J. H. Flagg—*Carriage Top Frame.*

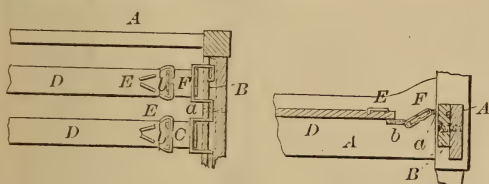
74810—M. D. Fogel—Beehive.



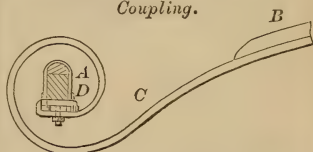
74811—Freeman & Ford—Track Cleaner.



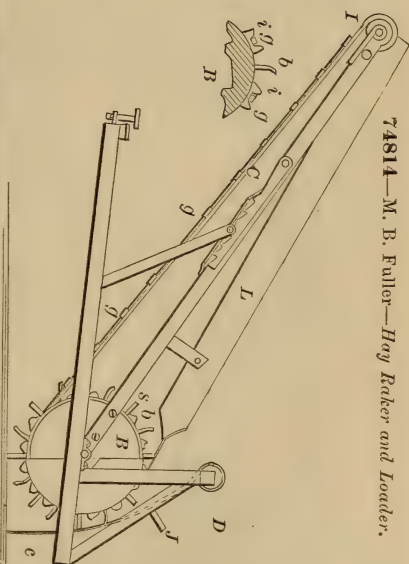
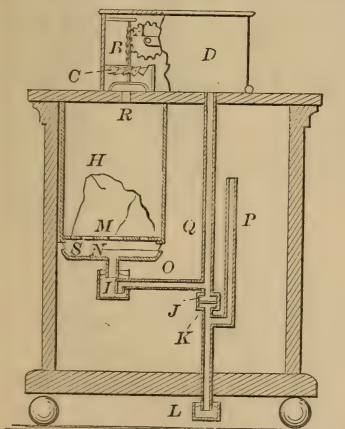
74812—J. C. Fry—Bed Bottom.



74816—K. Goddard—Thill Coupling.



74813—Fuller & Reichert—Refrigerator.

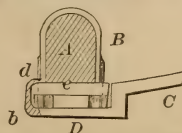


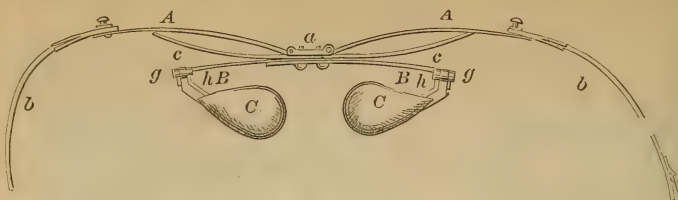
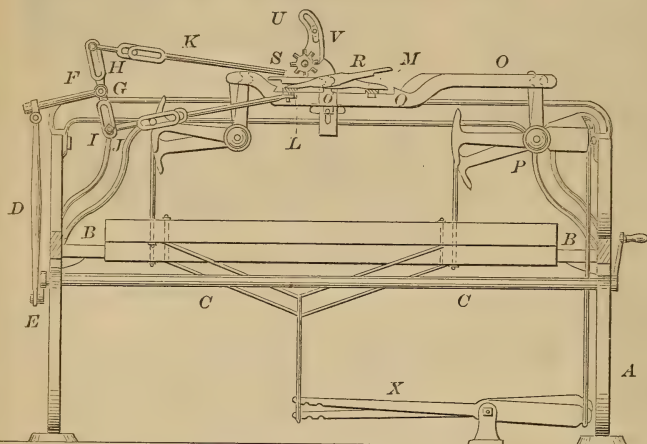
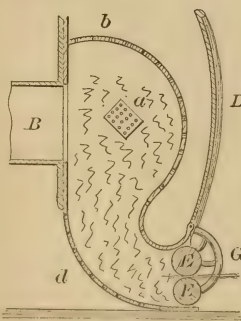
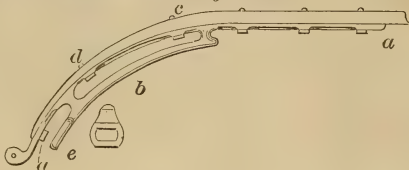
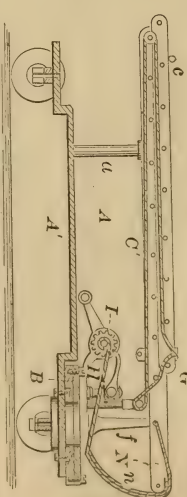
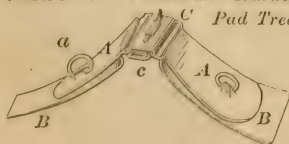
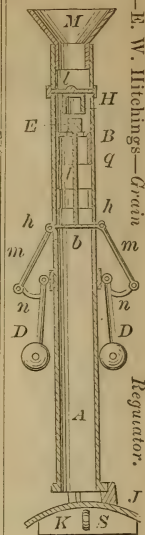
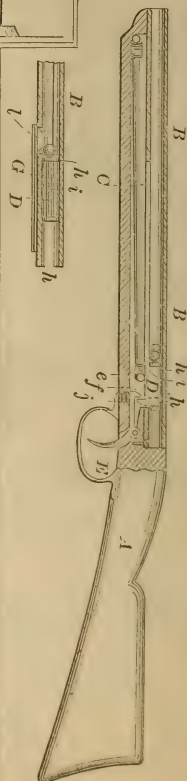
74814—M. B. Fuller—Hay Rake and Loader.

74815—A. C. Funston—Toy.

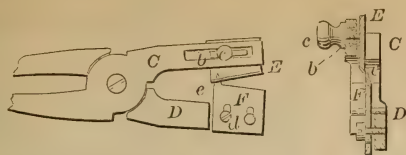


74817—K. Goddard—Thill Coupling.

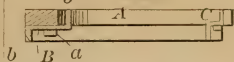


74818—S. Green—*Truss*.74819—J. Greenhalgh—*Harness Mechanism for Looms*.74820—S. B. Harmon—*Carriage Thill*.74822—R. H. Hilton—*For Cleaning Cotton*.74823—J. W. Hinman—*Harness Pad Tree*.74821—Hayes & Free—*Five Escape Ladder*.74824—E. W. Hitehings—*Grain Regulator*.74825—S. Hubbard—*Toy Gun*.

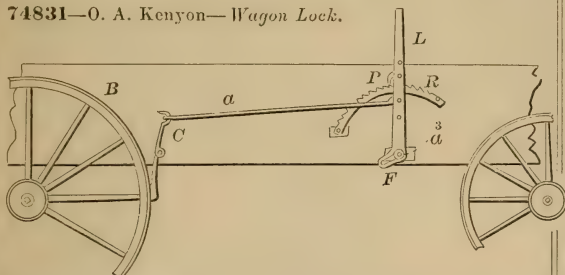
74827—A. Humann—*Button Hole Cutter.*



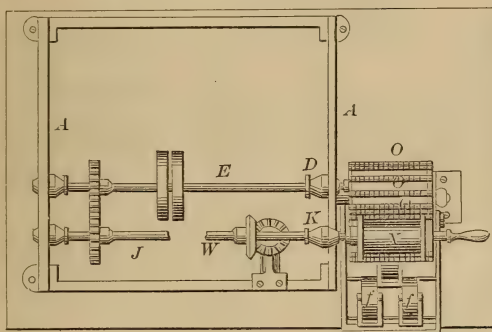
74829—J. Jorey—*Horse Shoe.*



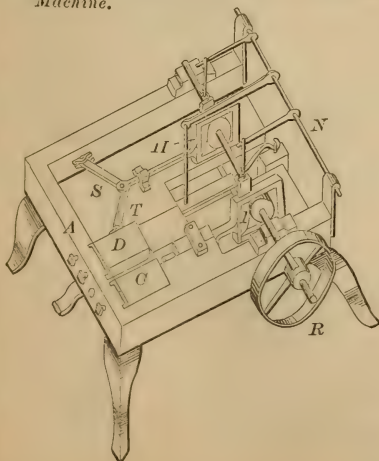
74831—O. A. Kenyon—*Wagon Lock.*



74832—P. Kerr—*For Polishing Thread.*



74834—Klemm & Dittich—*Bolt Making Machine.*



74828—Jeffries & Olds—*Truss.*

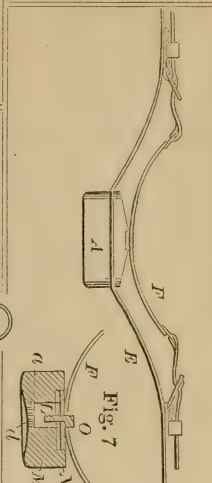
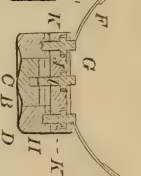
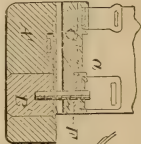


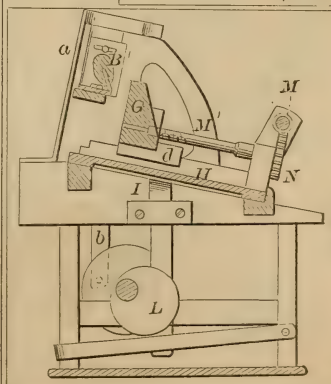
Fig. 8



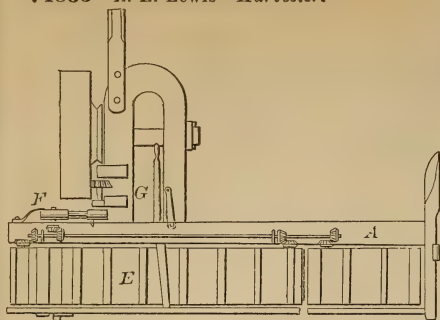
Fig. 9



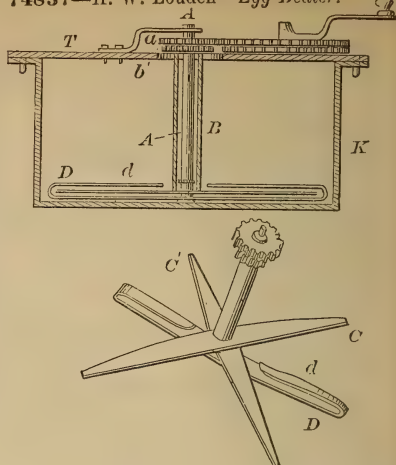
74830—H. Kassings—*For Cutting Trenches.*



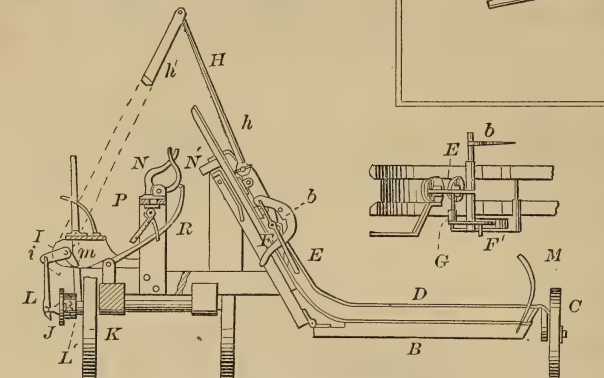
74835—E. E. Lewis—*Harvester.*



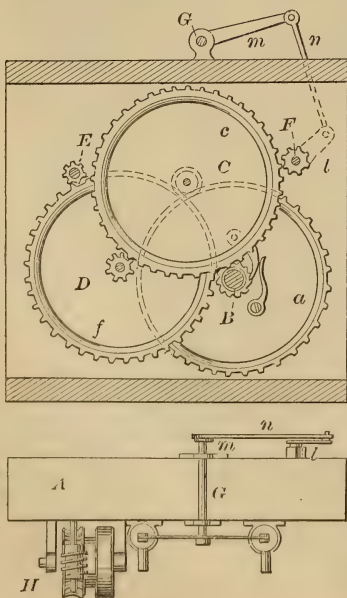
74837—H. W. Loudon—*Egg Beater.*



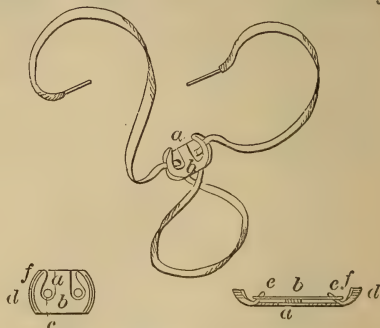
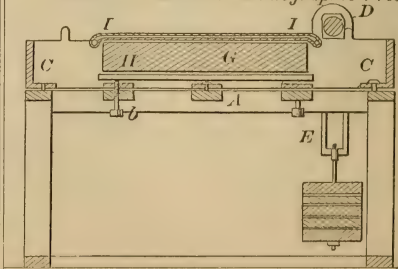
74836—C. Lidren—*Harvester Rake.*



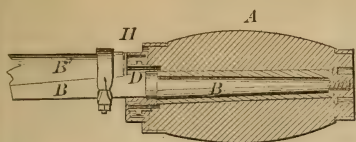
74838—G. Maranville—*For Operating Stationary Machinery.*



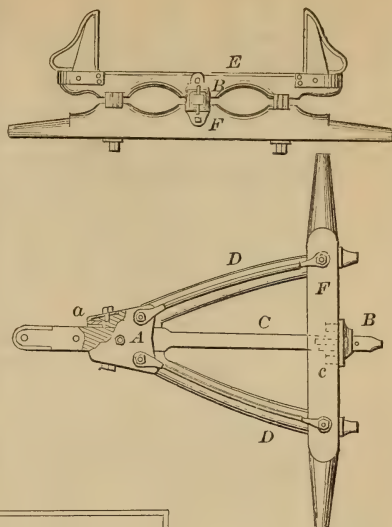
74839—Marston & Morse—*Shoe Fastening.*

748-10—C. Maurice—*Lithographic Press*

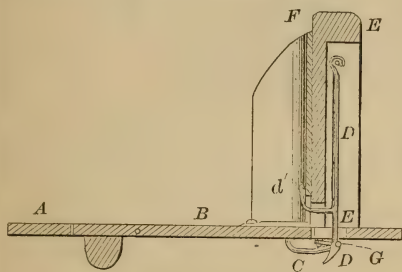
74841—N. Maxham—Hub and Axle.



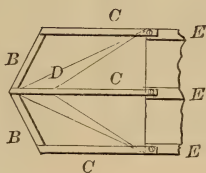
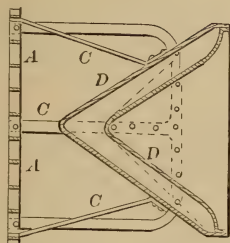
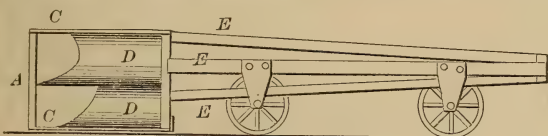
74843—H. Mitchell—Wagon Coupling.



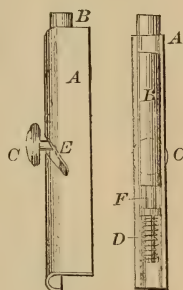
74842—W. Miller—Animal Trap.



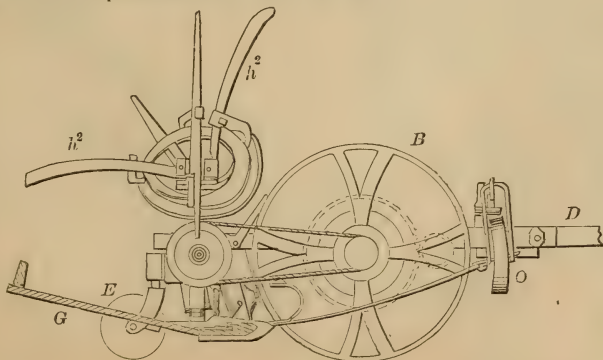
74844—G. Place—Snow Plow.



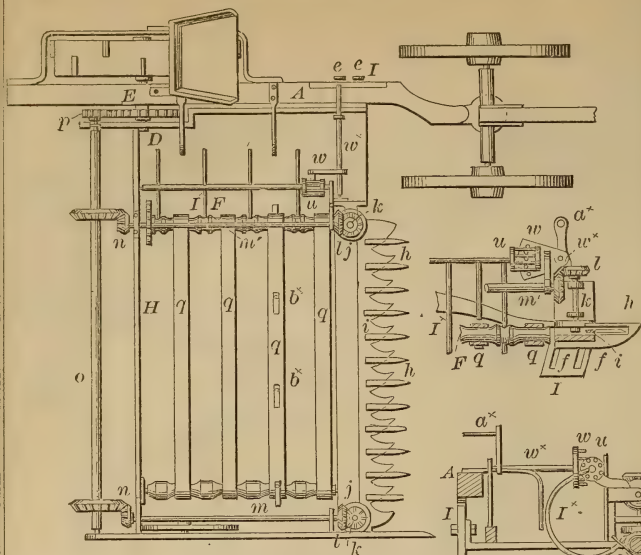
74846—T. Rattenbury—Roll.



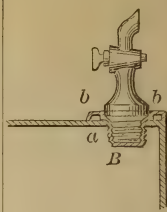
74845—Quick, Opie & Farrand—Harvester Rake.



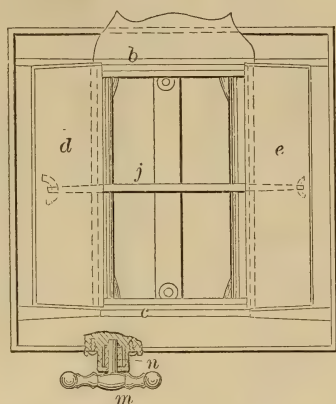
74847—Redfield & Cox—*Harvester*.



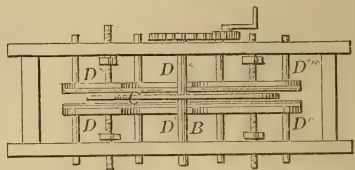
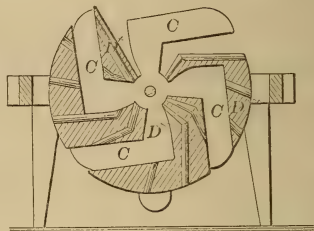
74850—W. Rigg—Screen Cap for Oil Cans.



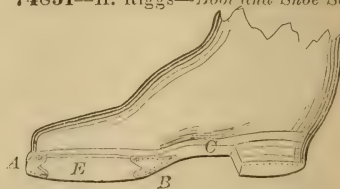
74849—D. C. Richardson—*Car Ventilator*.



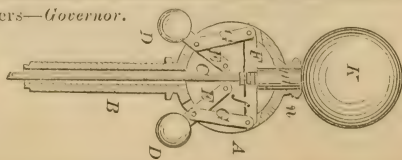
74848—C. II. Rice—*Boot Crimping Machine.*



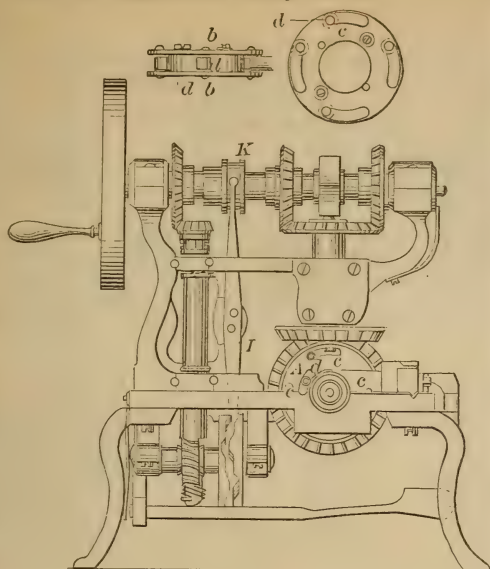
74851—II. Riggs—*Boot and Shoe Sole.*



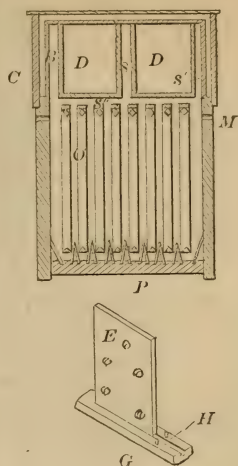
74852—E. P. Rogers—*Governor.*



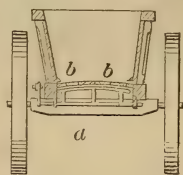
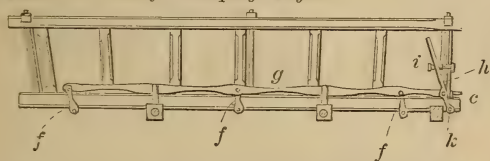
74853—J. Russell—Card Setting Machine.



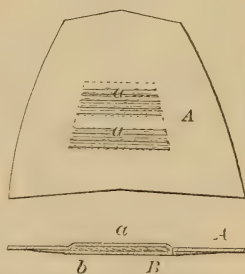
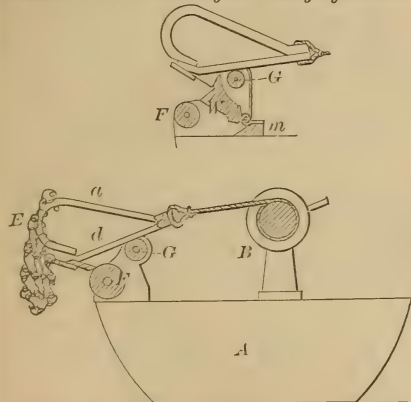
74854—P. J. Severson—Beehive.



74856—H. Shirey—Dumping Wagon.

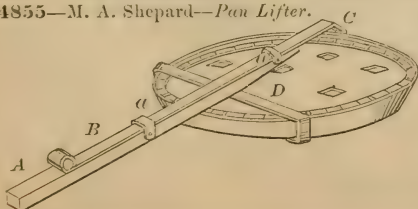


74857—T. P. Sink—Oyster Dredging Machinery.

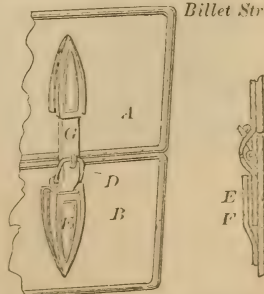


74858—G. & G. Smith—Boots and Shoes.

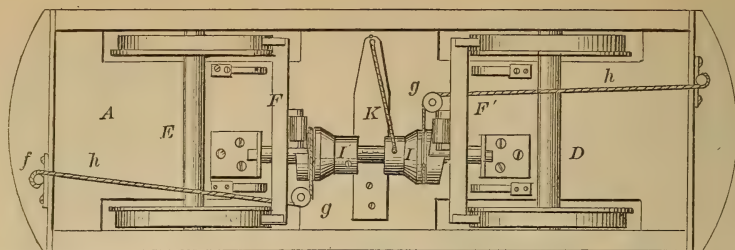
74855—M. A. Shepard—Pan Lifter.



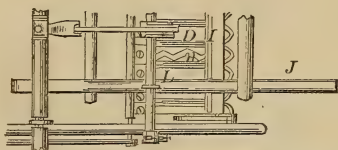
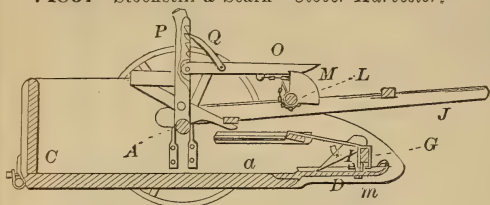
74859—H. H. Smith—Pocket for Billet Straps



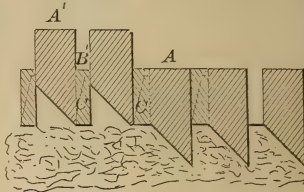
74860—Smith & Steger—Car Brake.



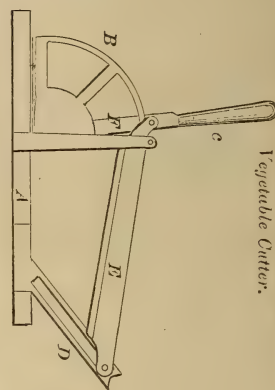
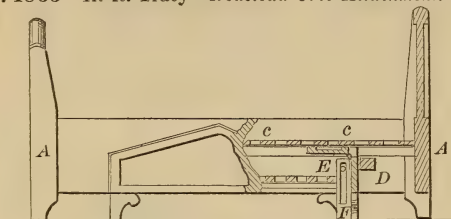
74861—Stockstill & Scarff—Clover Harvester.



74862—H. M. Stow—Pavement.

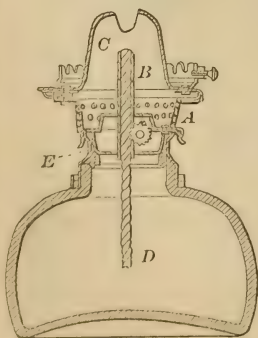


74865—H. R. Tracy—Bedstead Crib Attachment.

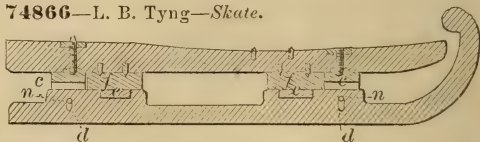


74864—H. A. Tins—Bread and Vegetable Cutter.

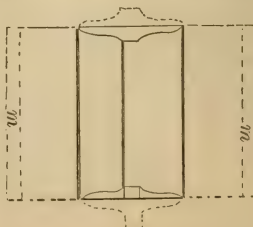
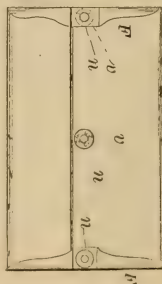
74863—A. Taplin—Lamp



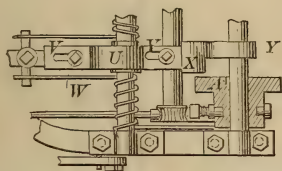
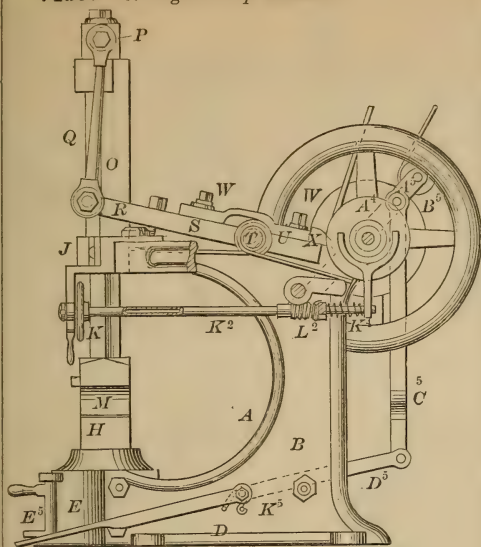
74866—L. B. Tyng—Skate.



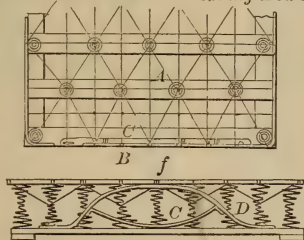
74867—S. Ullman—Envelope.



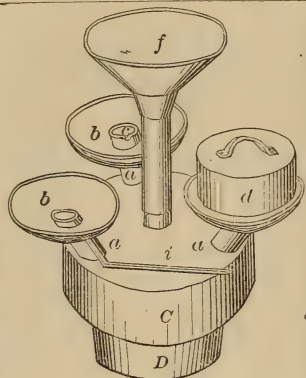
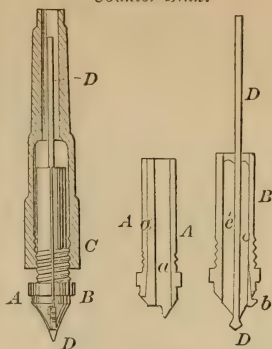
74868—C. Vogel—Trip Hammer.



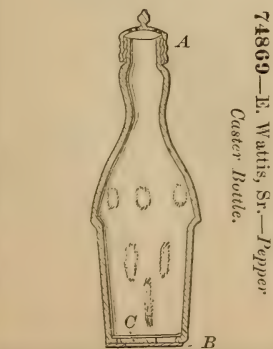
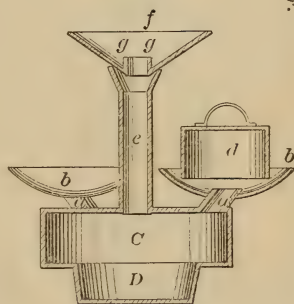
74872—Worden & Wilms—Spring Bed Bottom.



74870—P. A. Whitney—Drill and Counter Sink.

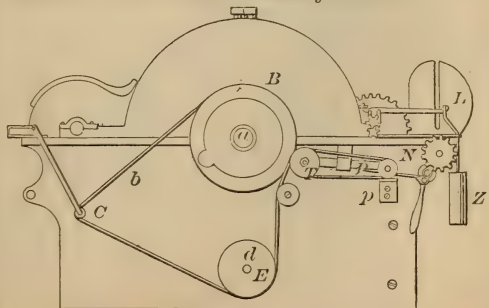


74873—G. W. Worster—Culinary Steamer.

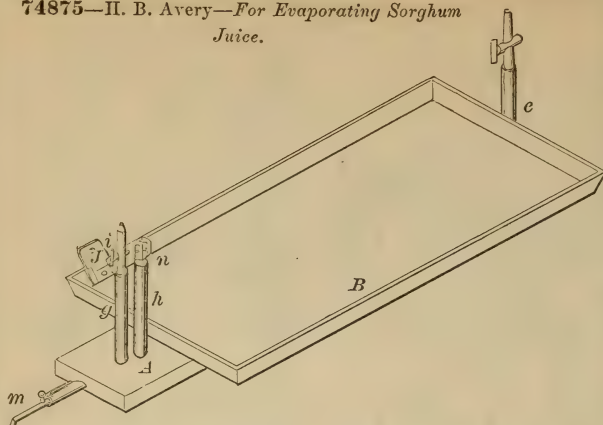


74869—E. Watts, Sr.—Pepper Caster Bottle.

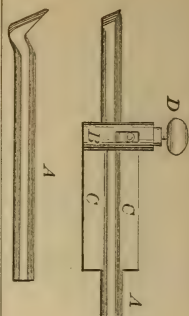
74873—G. W. Worster—Culinary Steamer.



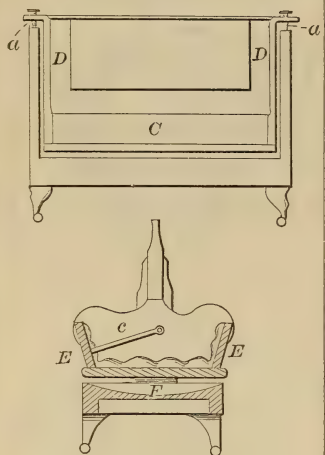
74875—H. B. Avery—For Evaporating Sorghum Juice.



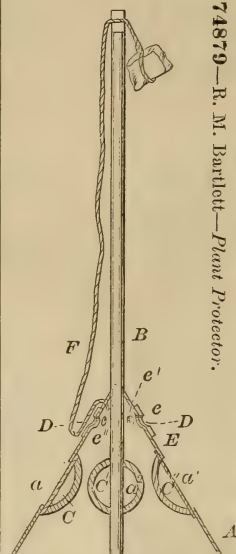
74877—J. Baillie—Lathe Tool Holder.



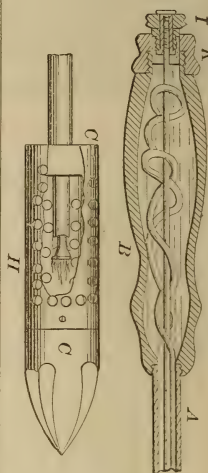
74876—H. A. Axt. II—Sofa Cradle.



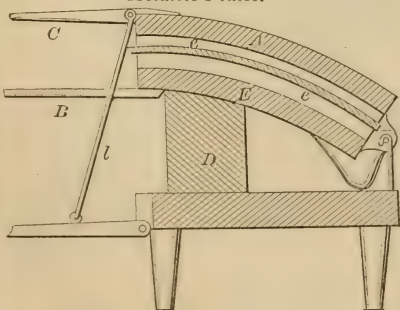
74879—R. M. Bartlett—Plant Protector.



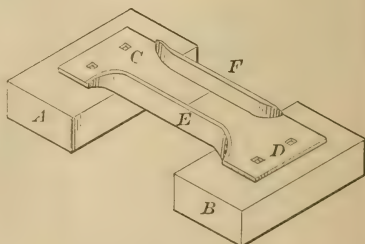
74881—T. Beardsley—Soldering Iron.



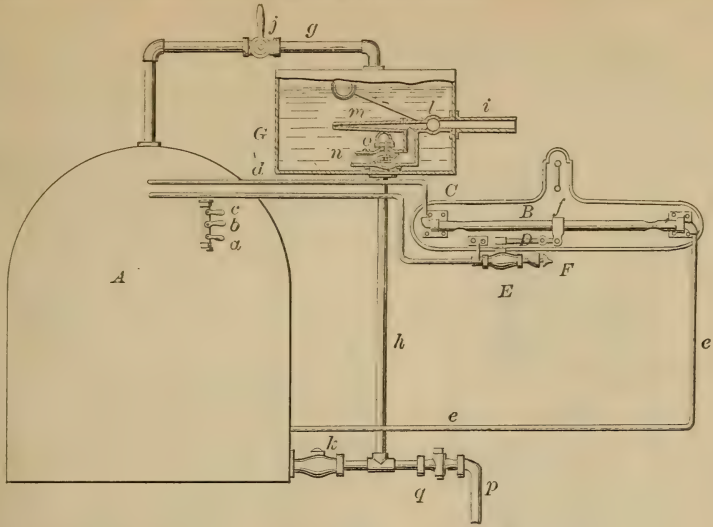
74880—J. W. Bean—For Bending Metallic Plates.



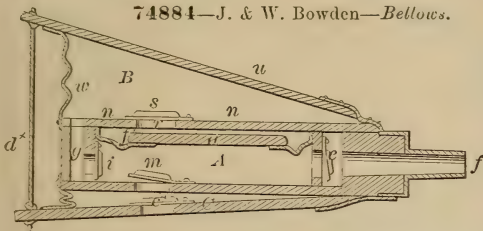
74882—L. B. Bidwell—Railroad Chair.



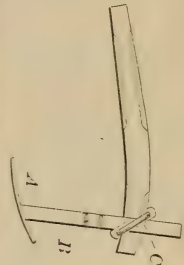
74883—J. N. B. Bond—Boiler Feed Low Water Detector.



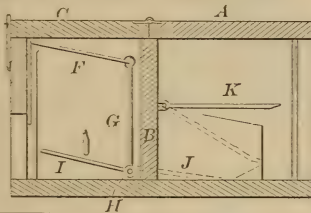
74884—J. & W. Bowden—Bellows.



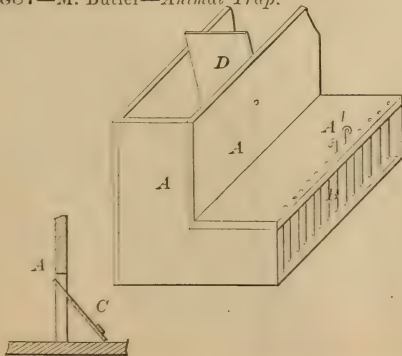
74883—J. Bradley—Pione.



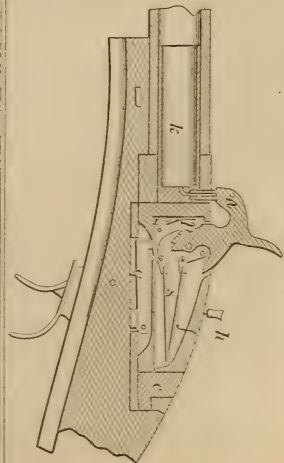
74886—A. C. Briant—Animal Trap.



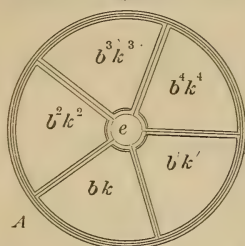
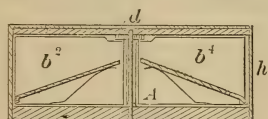
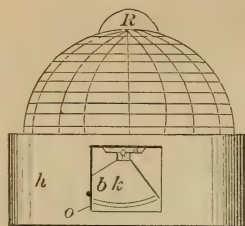
74887—M. Butler—Animal Trap.



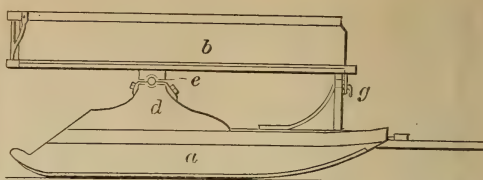
74888—C. Callaghan—Breech-Loading Fire Arm.



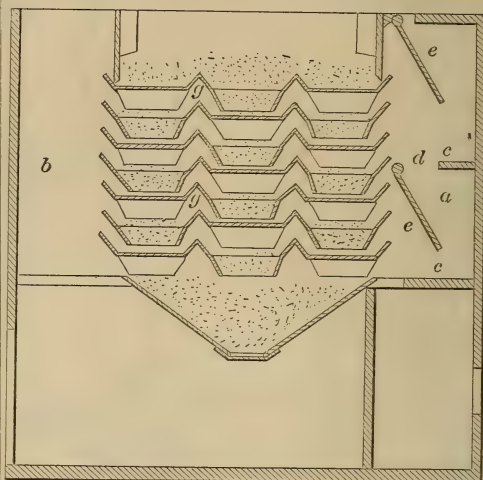
74889—C. R. Capps—*Animal Trap.*



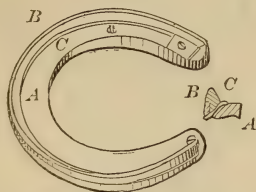
74891—S. Chamberlin—*Tip Sled.*



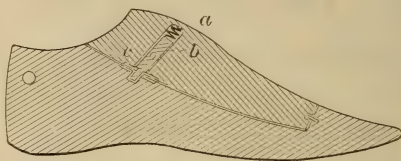
74893—L. S. Chichester—*Grain Dryer.*



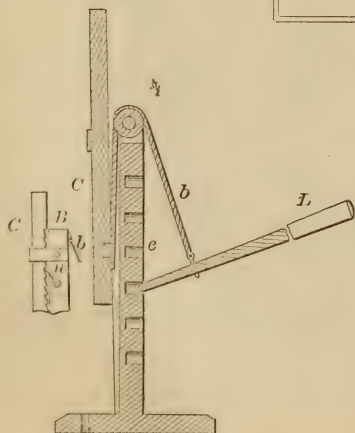
74892—G. T. Chapman—*Horse Shoe.*



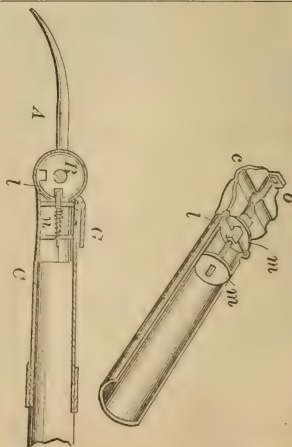
74890—Carr & Holbrook—*Last.*



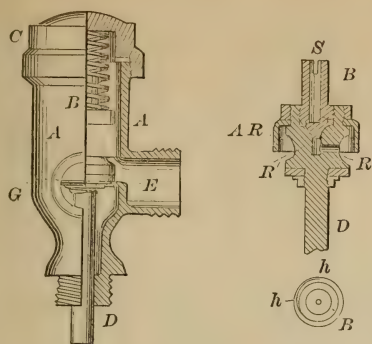
74894—O. Churchill—*Carriage Jack.*



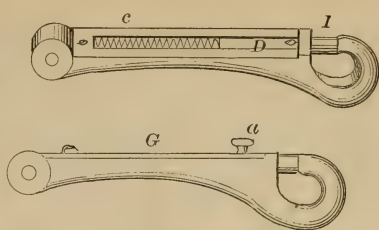
74895—C. C. Cole—*Manure Fork and Hook.*



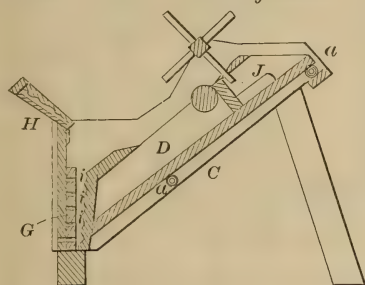
74896—W. S. Cooper—Water Closet Valve.



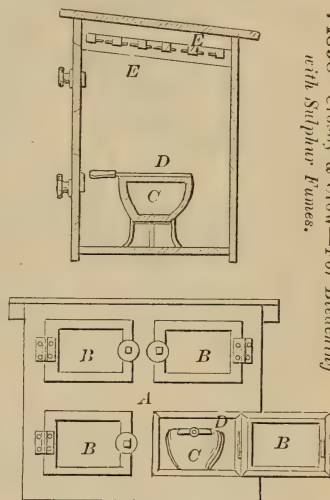
74897—J. C. Covert—Snap Hook.



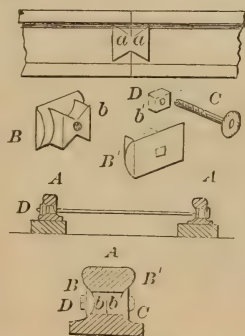
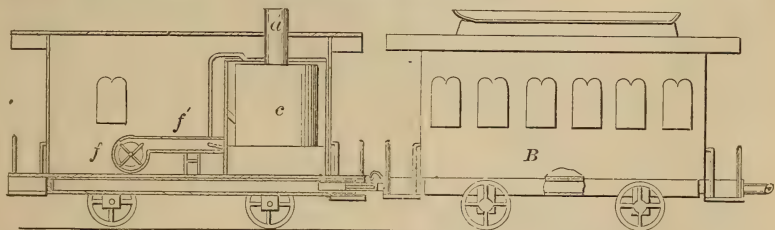
74902—L. S. Enos—Washing Machine.



74898—Crosby & Crow—For Bleaching with Sulphur Fumes.

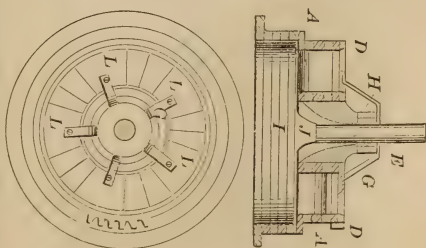


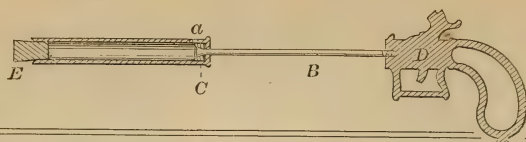
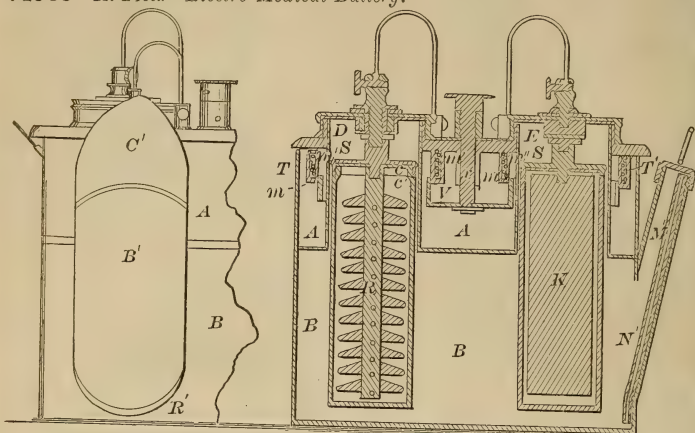
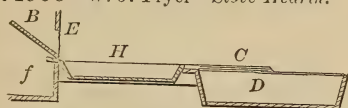
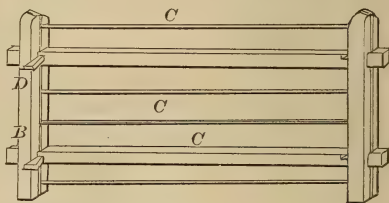
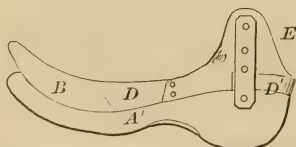
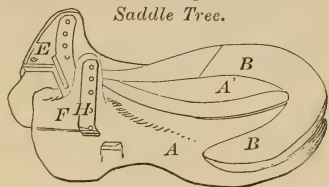
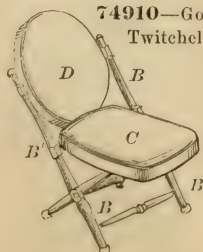
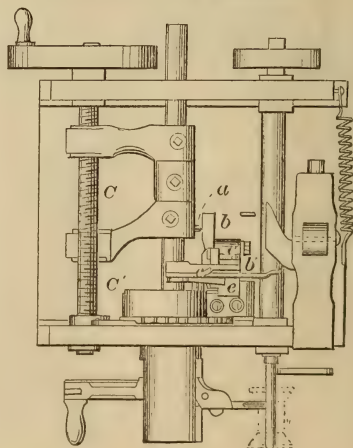
74899—D. H. Dotterer—For Heating and Ventilating Cars.



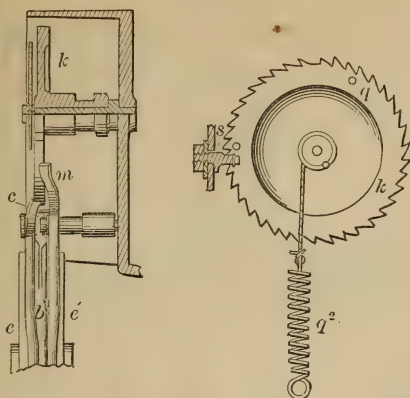
74900—R. H. Eberman—Railroad Rail Joint Splice.

74903—F. R. Ferris—Water Wheel.



74904—R. Frisbie—*Toy Pistol.*74905—H. Fritz—*Electro-Medical Battery.*74907—J. W. Gardner—*Solid Steel Knife.*74906—W. J. Fryer—*Stove Hearth.*74908—M. J. Gaskill—*Fence.*74909—J. B. Gathright—*Side Saddle Tree.*74910—Golightly & Twitchell—*Chair.*74911—W. Grover—*Attachment for Thread Winding Machines.*

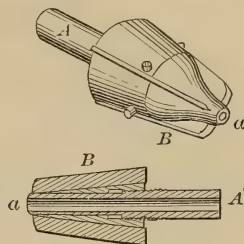
74911—Continued.



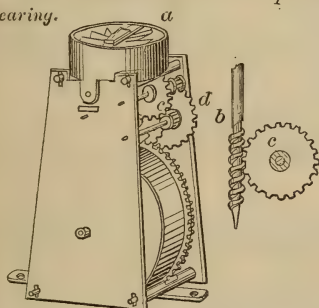
74912—A. N. Hadley—*Boot and Shoe Insole.*



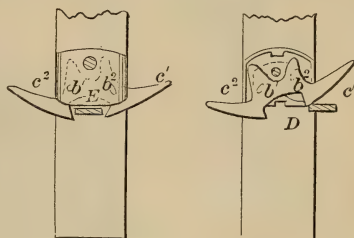
74913—L. Heywood—*Rattan Machine.*



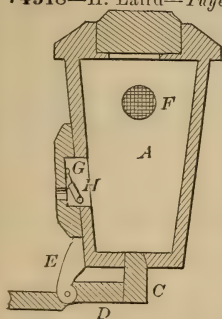
74914—Hitchcock & Jones—*Lamp Train Gearing.*



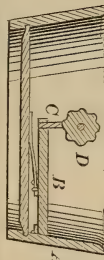
74915—S. Ingersoll—*Gate Latch.*



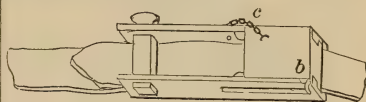
74918—H. Laird—*Tuyere.*



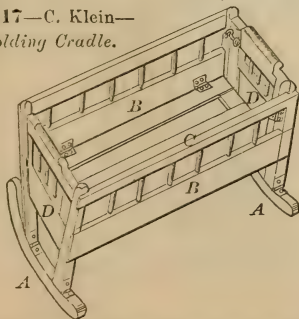
74919—A. Lamb—*Washing Machine.*



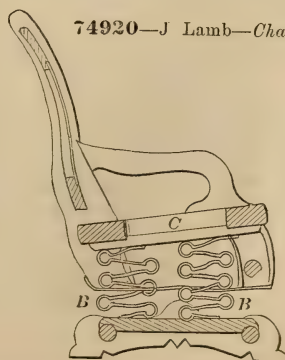
74916—G. B. Kirkham—*Strap Holder.*



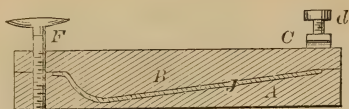
74917—C. Klein—*Folding Cradle.*



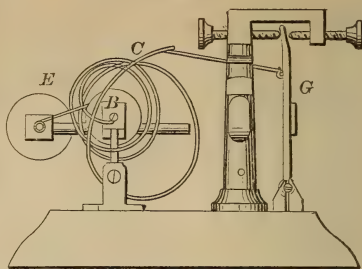
74920—J. Lamb—*Chair.*



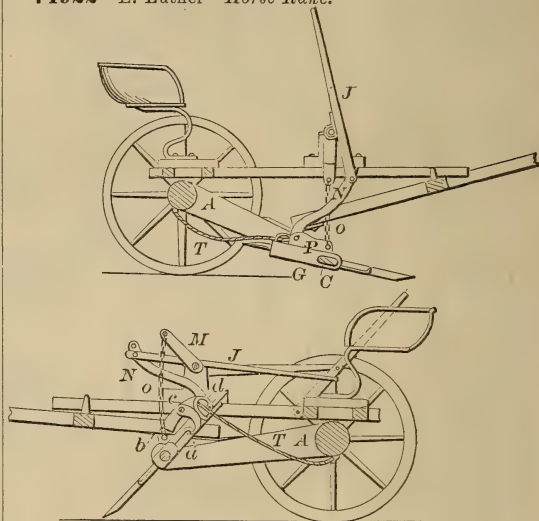
74921—G. W. Lawbaugh—*Harness Pad Press.*



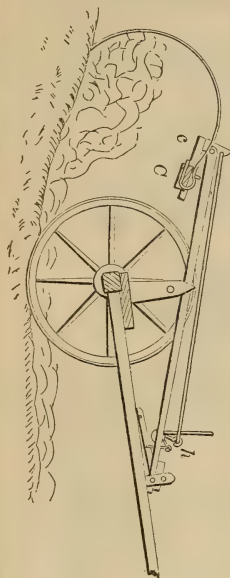
74925—W. N. McInnis—*Spring for Relay Magnets.*



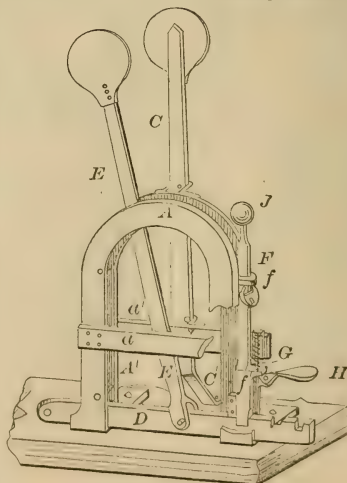
74922—E. Luther—*Horse Rake.*



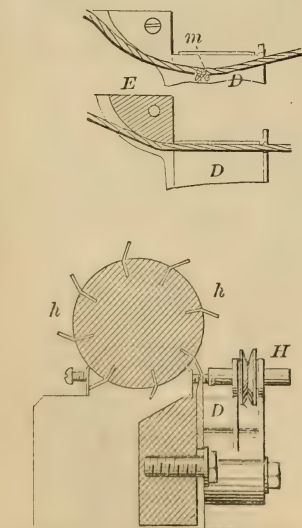
74924—W. McCord—*Horse Rake.*



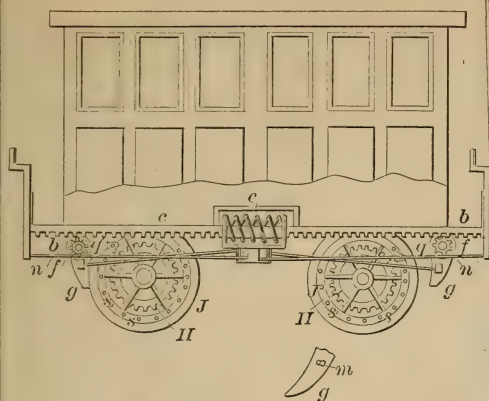
74926—A. McLeod—*Railway Switch Stand*



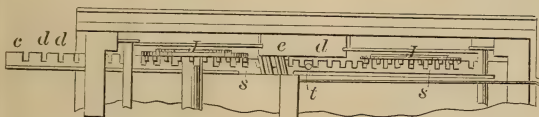
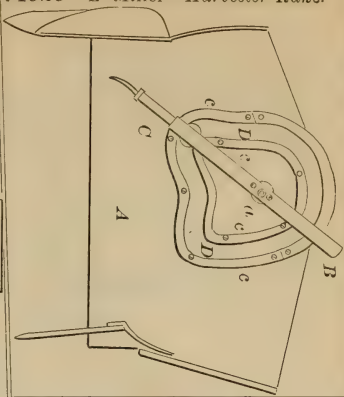
74923—C. L. Lutton—*For Shearing Yarn.*



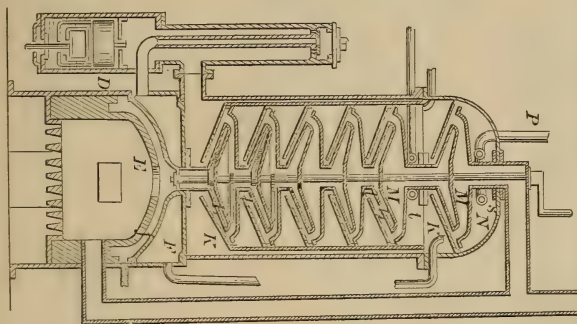
74927—J. McMurtry—For Starting Cars.



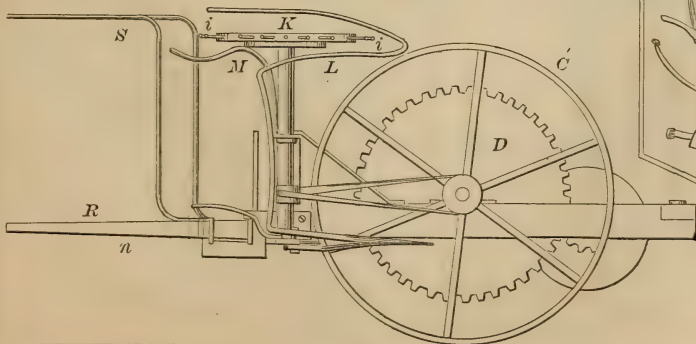
74929—L. Miller—Harvester Rake.



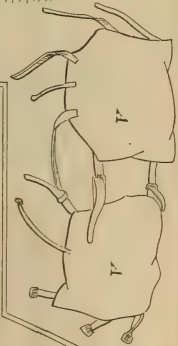
74930—Neumann, Lassoe & McCord—Steam Generator.

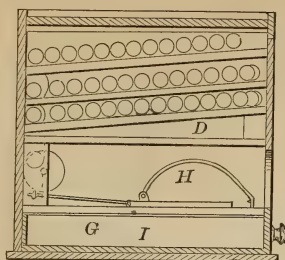
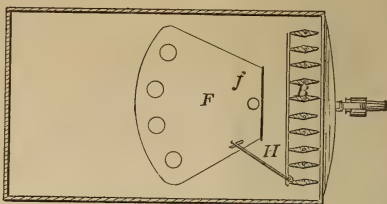
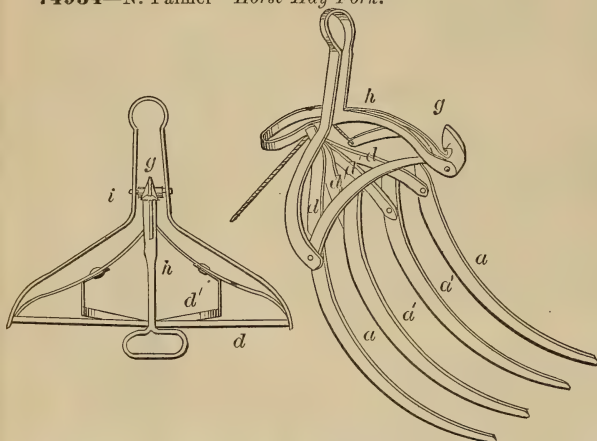
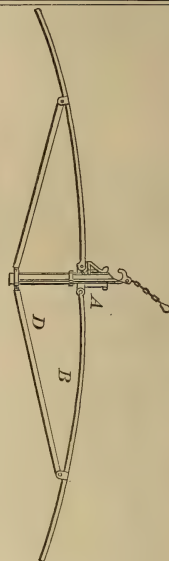
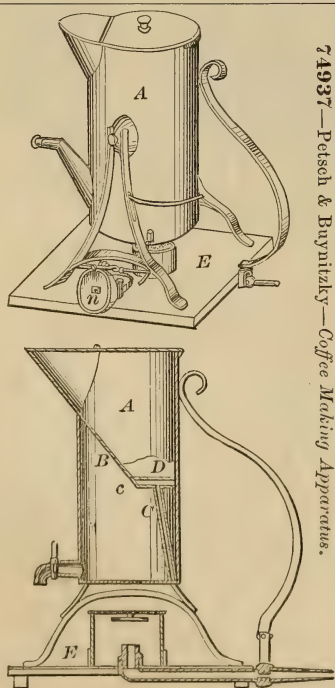
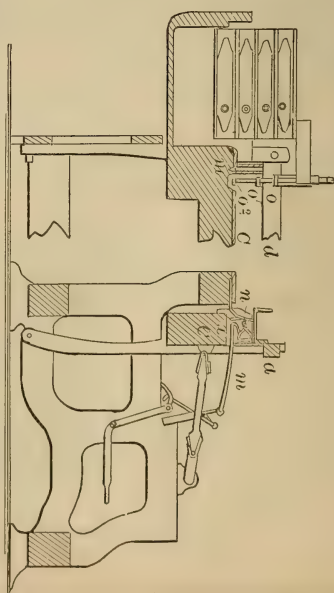


74928—Q. F. Messinger—Corn Harvester.

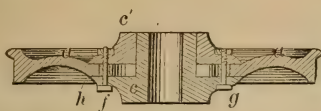


74931—H. Cisen—Life Preserving and Swimming Apparatus.

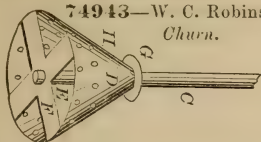


74932—J. P. Outcalt—*Ballot Box.*74936—B. B. Perkins—*Boiler and Hot Air Register.*74934—N. Palmer—*Horse Hay Fork.*74933—L. E. Palmer—*Mosquito Canopy.*74937—Petsch & Baynitzky—*Coffee Making Apparatus.*74938—W. J. Quinn—*Loom.*

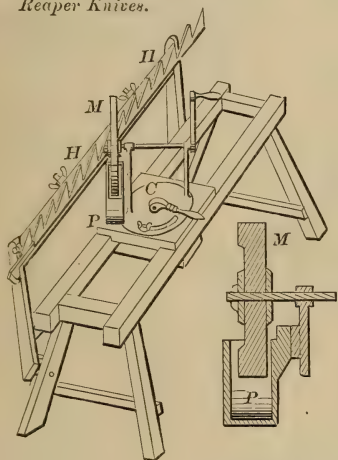
74939—J. Raddin—*Car Wheel.*



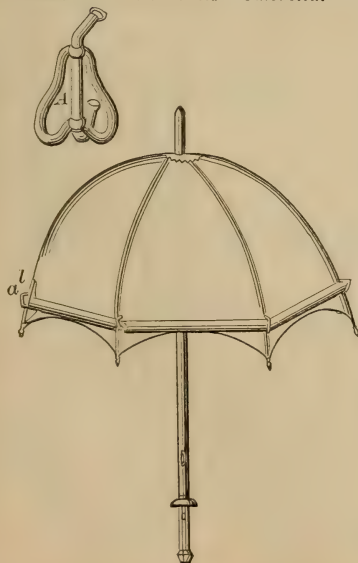
74943—W. C. Robinson—*Churn.*



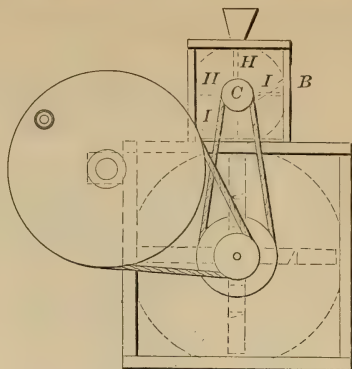
74942—C. Richardson—*For Grinding Reaper Knives.*



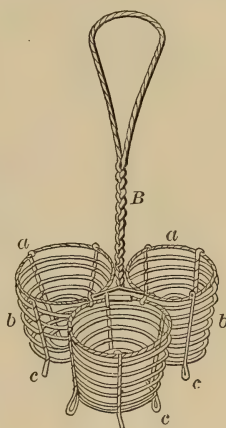
74944—E. F. Schreiner—*Umbrella.*



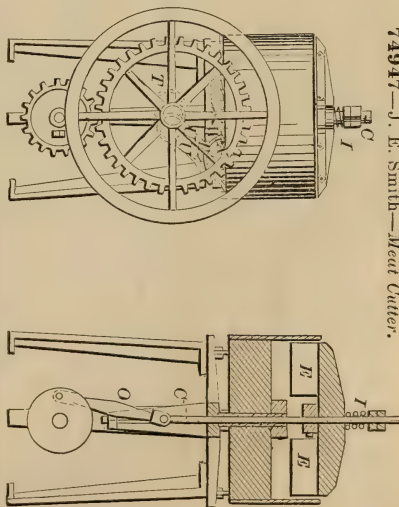
74941—J. B. Raynor—*Churn.*

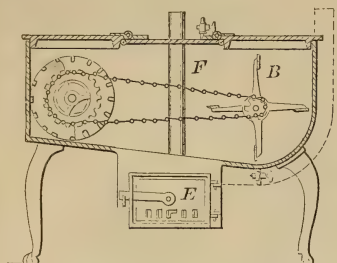
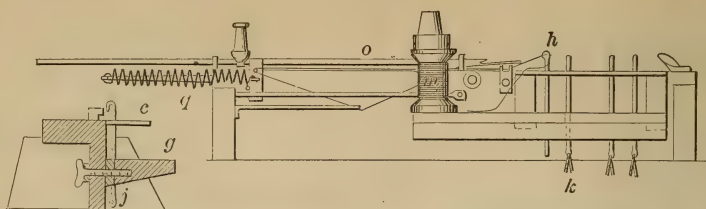
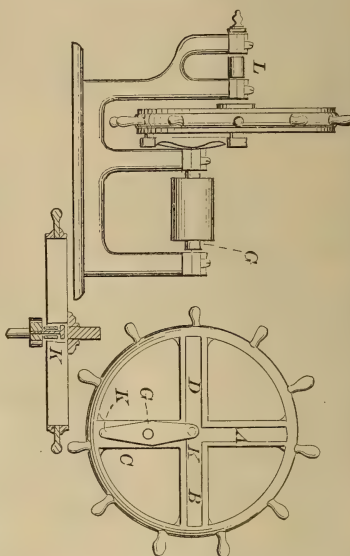
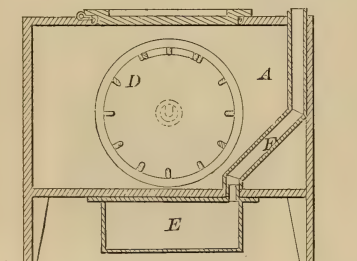
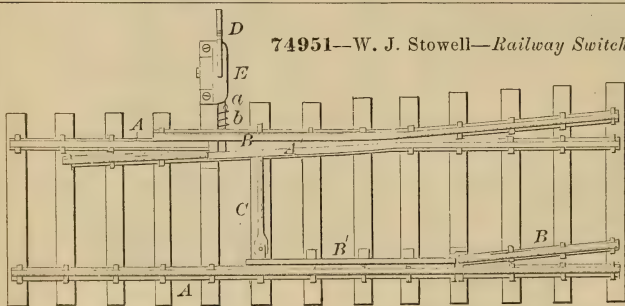
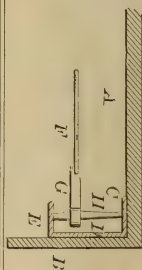
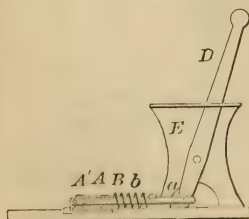
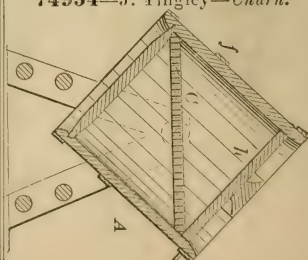
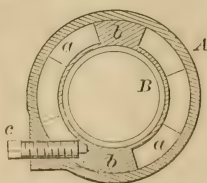


74945—D. Sherwood—*Table Caster.*

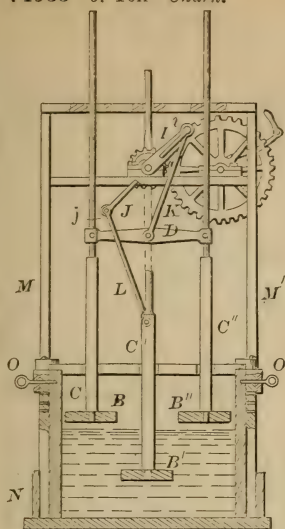
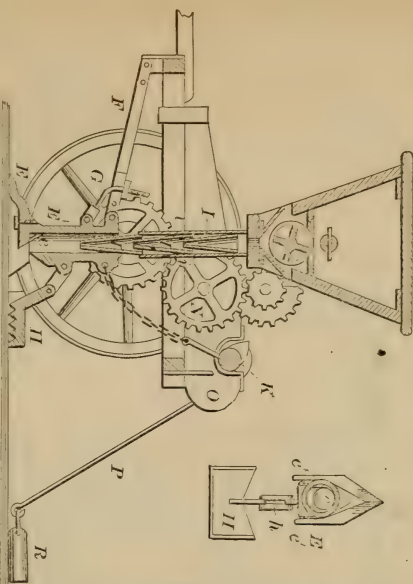


74947—J. E. Smith—*Meat Cutter.*

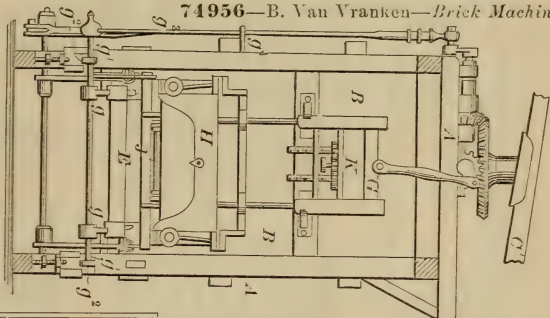
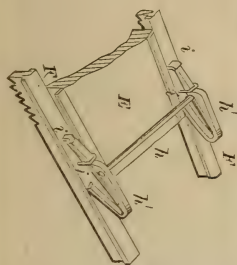
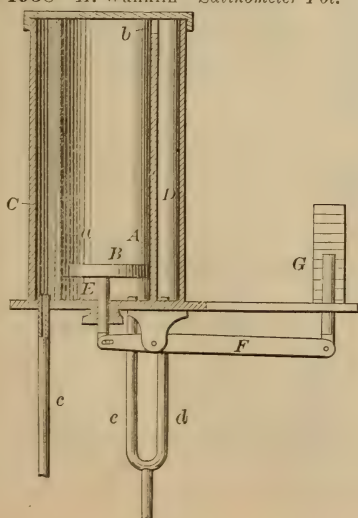


74948—D. M. Smyth—*For Sewing Books.*74949—D. E. Sones—*Washing Machine.*74952—W. R. Swinnerton—*Mechanical Movement.*74951—W. J. Stowell—*Railway Switch.*74953—P. Sylla—*Hot Rack for Seats.*74950—J. Steger—*Hose Coupling.*74954—J. Tingley—*Churn.*

74955—J. Toll—*Churn.*

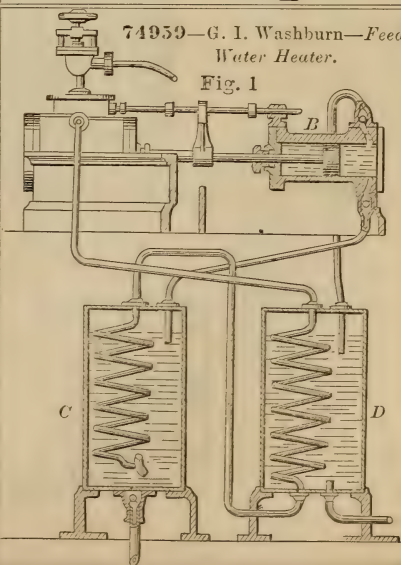
74957—E. Wagoner—*Rice Planters*.

74956—B. Van Vranken—*Brick Machine.*

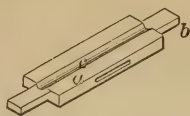
74958—H. Wanklin—*Salinometer Pot.*

74959—G. I. Washburn—*Feed
Water Heater.*

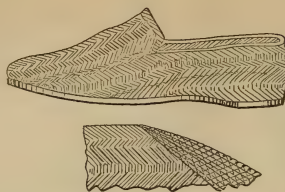
Fig. 1



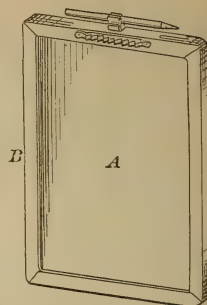
74960—H. Waters—*Hoe Blank.*



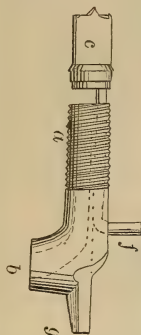
74962—M. Wesson—*Shoe.*



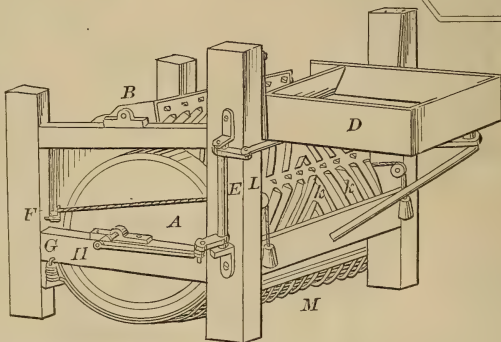
74964—Weigel, Lehnbeuter & Fegers—*School Slate.*



74961—A. Weed—*Boring Faucet.*



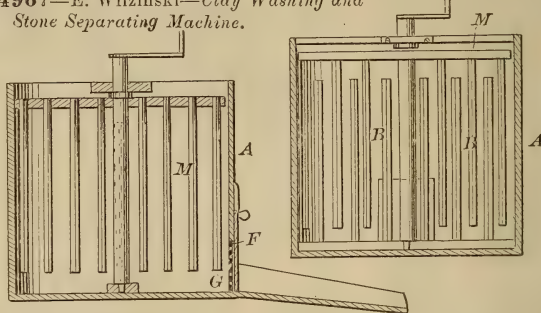
74965—J. R. Wilbur—*Corn Sheller.*



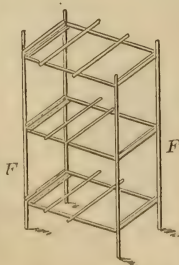
74966—D. Williamson—*Cork Pull.*



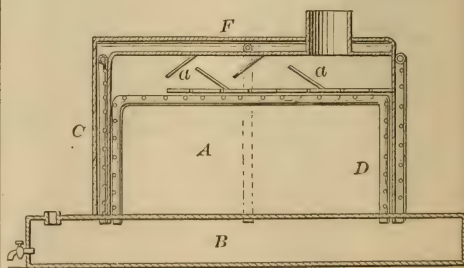
74967—E. Wilzinski—*Clay Washing and Stone Separating Machine.*



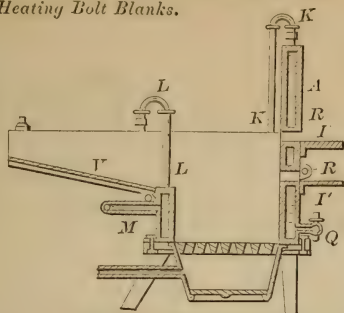
74968—J. D. McBride—*Attachment for Hot Air Registers.*



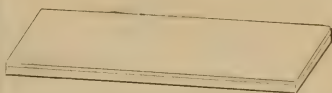
74969—A. P. Winslow—*Railroad Car Stove.*



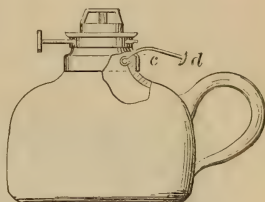
74970—A. Alexander—*Furnace for Heating Bolt Blanks.*



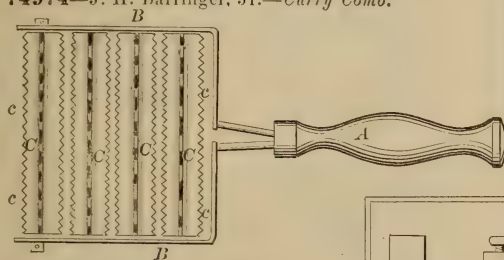
74971—A. M. Asay—*Card for Artificial Teeth.*



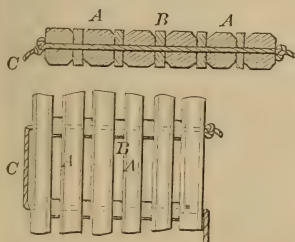
74972—S. K. Ayers—*Lamp.*



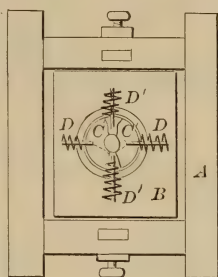
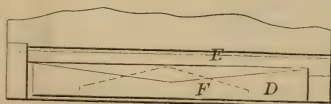
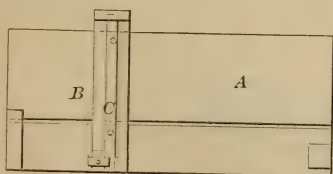
74974—J. H. Barringer, Jr.—*Curry Comb.*



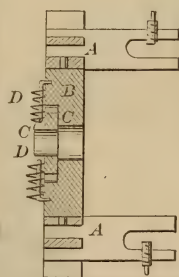
74975—W. Barton—*Slat Matting.*



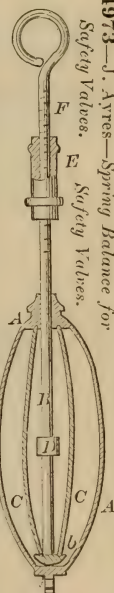
74977—L. Bennet—*For Cutting out Drawers.*



74976—S. Benn—*Cone Cleaner.*

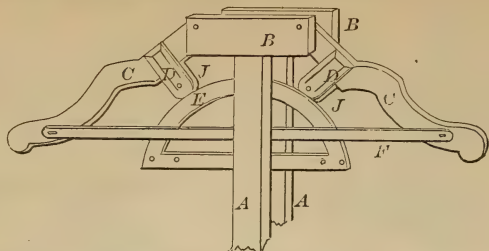
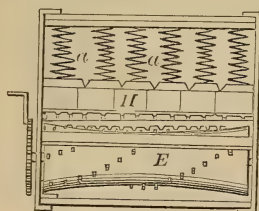
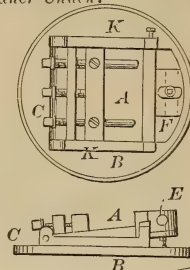
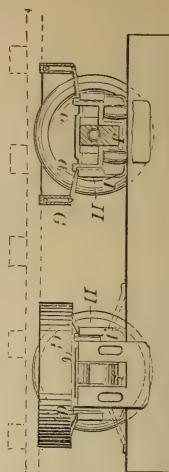
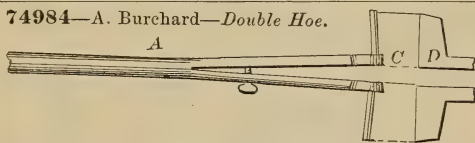
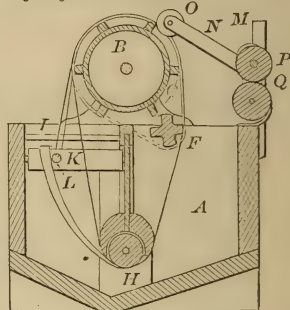
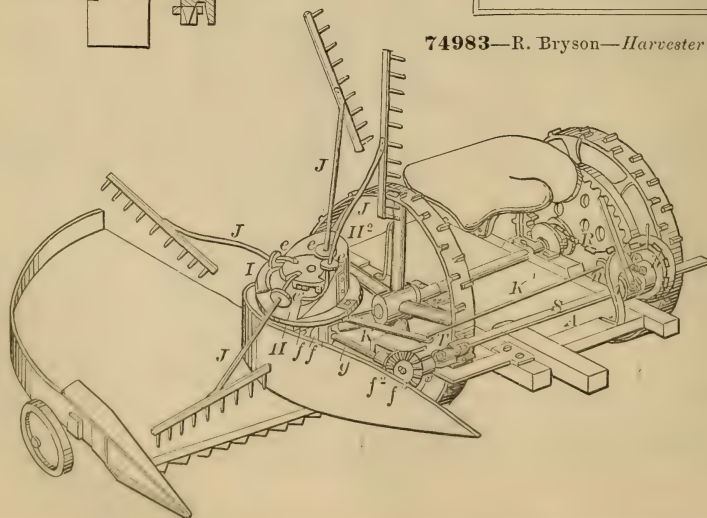


74973—I. Ayres—*Spring Balance for Safety Valves.*

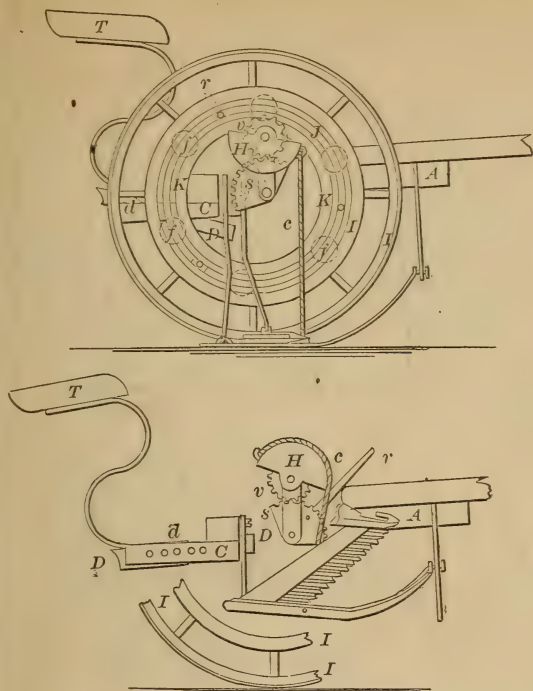


74978—R. Bisbee—*Fitting Clothing.*

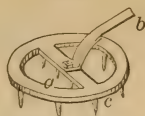


74979—M. Bockman—*Mechanical Movement.*74981—J. Brinkerhoff—*Corn Sheller.*74982—R. A. Bruce—*Planer Chuck.*74980—G. W. Brady—*Safety Attachment to Railroad Cars.*74984—A. Burchard—*Double Hoe.*74985—H. Bnrrows—*For Dyeing Piece Goods.*74983—R. Bryson—*Harvester Rake.*

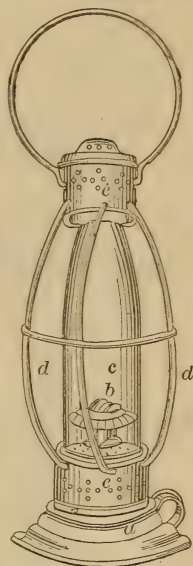
74986—G. E. Burt—Mowing Machine.



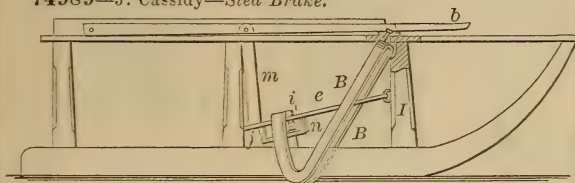
74987—J. H. Butler—
Rake.



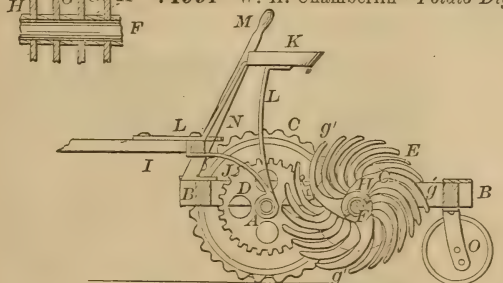
74988—J. Caldwell—
Lantern.



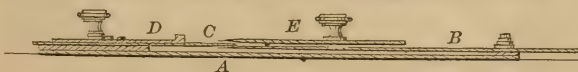
74989—J. Cassidy—Sled Brake.



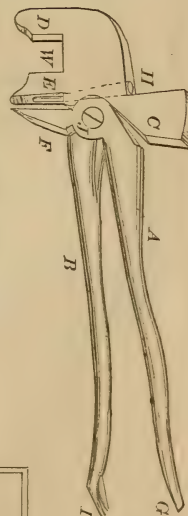
74991—W. H. Chamberlin—Potato Digger.



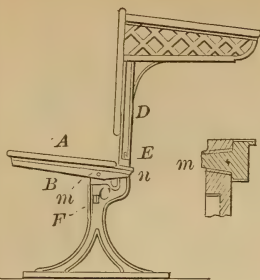
74960—Cawl, Corning & Wheeler—Sewing Machine Plaiter.



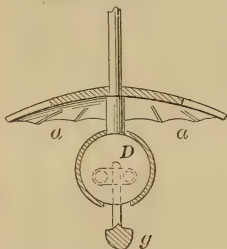
74992—T. C. Comstock—Implement.



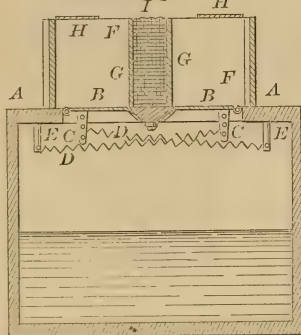
74993—I. Cook—Adjustable Seat.



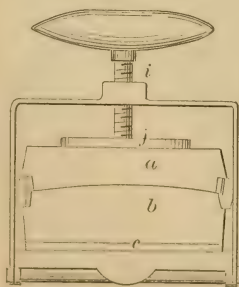
74995—R. Crawford—Churn Dasher.



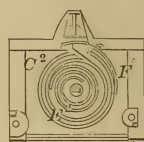
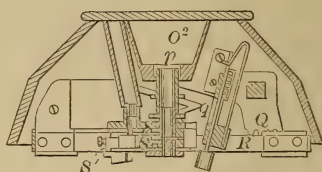
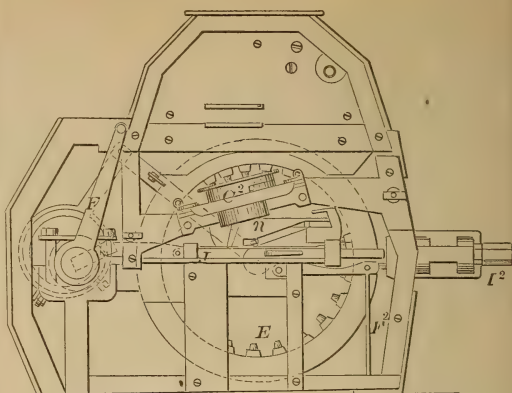
74998—J. M. Dearborn—Animal Trap.



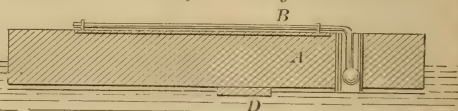
75000—G. E. Donham—Dentists' Flask.



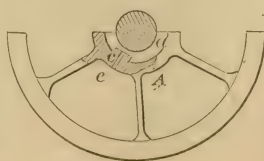
74994—T. J. Cranmer—Self-Loading Battery Gun.



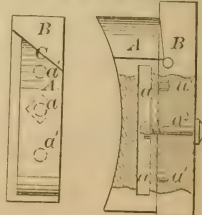
74997—D. B. Day—Floating Thermometer.



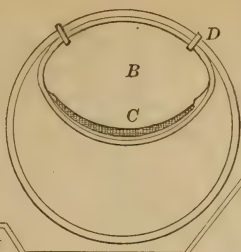
74999—G. Dock—Car Wheel.



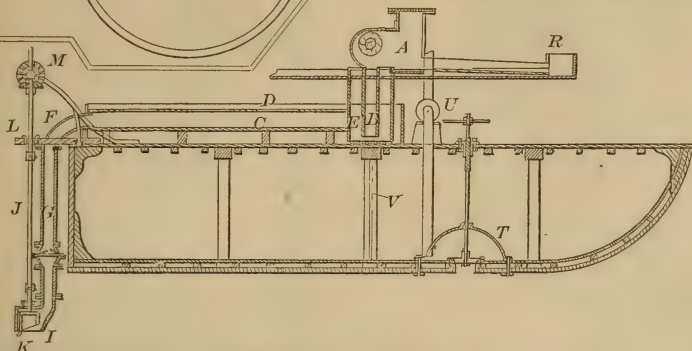
75001—G. Drake—Car Brake Shoe.



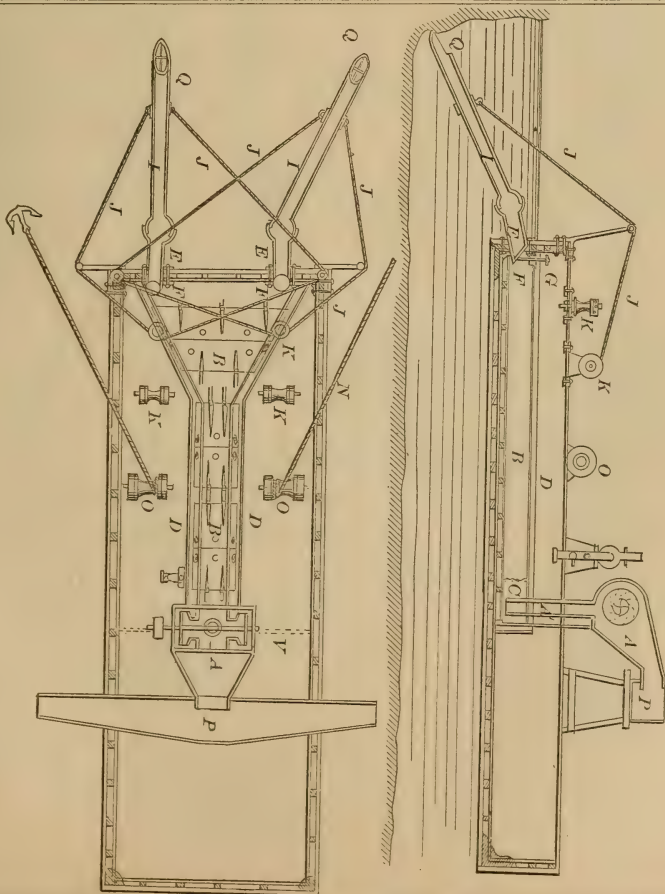
75002—W. Dunn—*Fluid Strainer.*



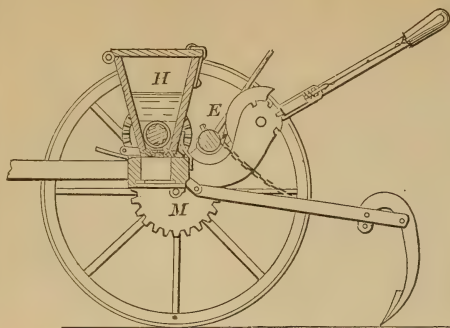
75003—A. Duvall—*Excavating under Water.*



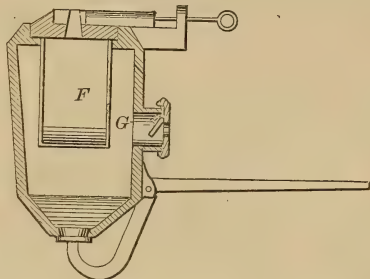
75004—A. Duvall—*Excavating under Water.*



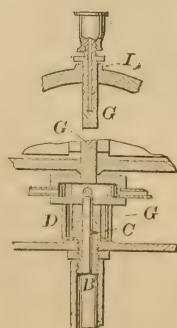
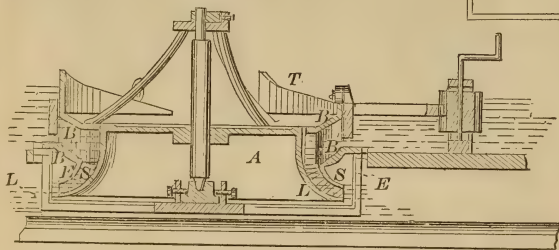
75005—Eggleston & Swain—Seeding Machine.



75007—B. Fish—Tuyere.

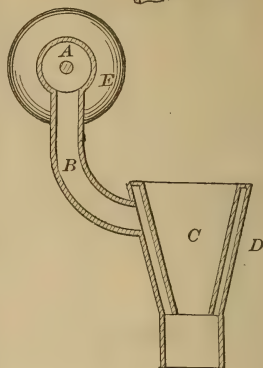
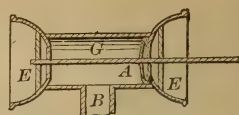
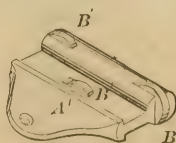
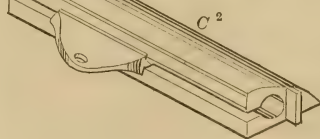


75009—M. D. Grow—Water Wheel.



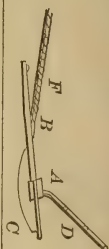
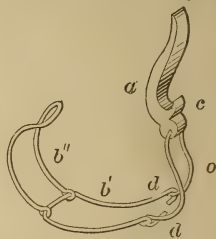
75011—J. Hainsworth—Steam Blower.

75012—G. Hart—Traveler for Furling Sails.



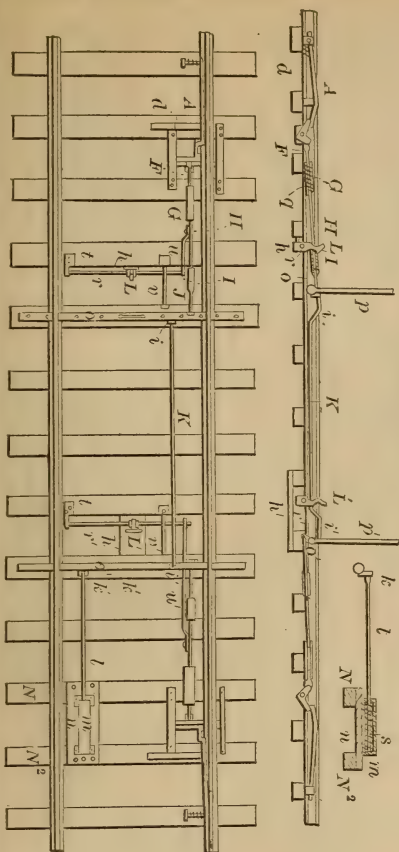
75010—F. Hainsworth—For Ventilating Water Closets.

75008—L. H. Gano—Bag Tie.

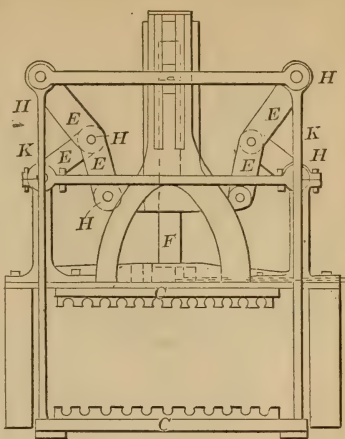


75006—J. Eliot—Horse Rake.

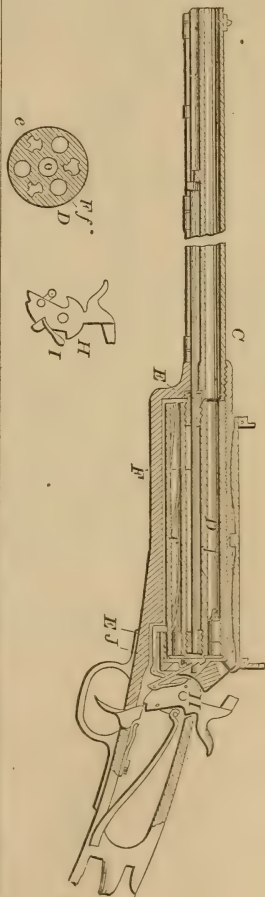
75013—A. Hartman—Railroad Gate.



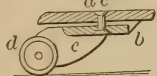
75015—C. W. Holbrook—Hydraulic Press.



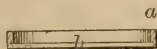
75016—G. Holman—Revolving Fire Arm.



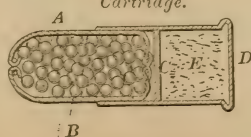
75017—Horton & McGaw—
Trunk Caster.



75018—E. Howard—Dust Ring
for Watches.



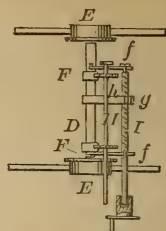
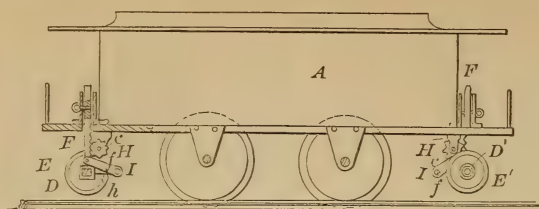
75019—W. O. Howard—Shot
Cartridge.



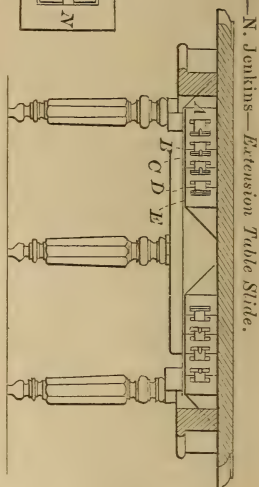
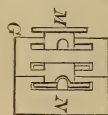
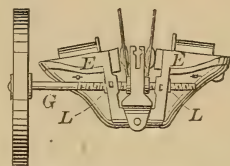
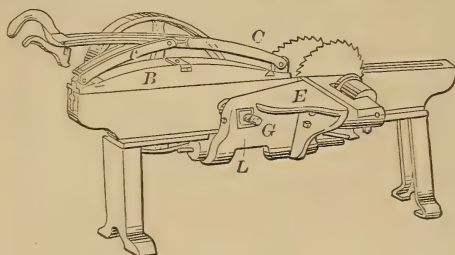
75014—G. G. Hickman—Bottle.



75020—C. Hurst—Car Replacer.

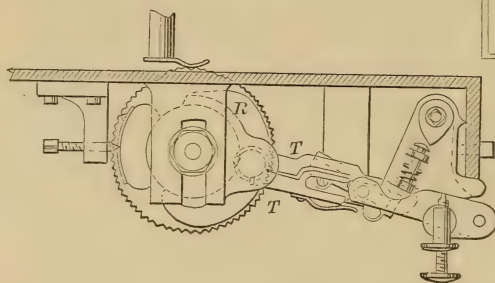


75021—C. B. Hutchinson—For Jointing Staves.

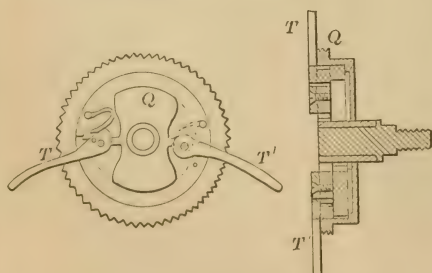


75022—N. Jenkins—Extension Table Slide.

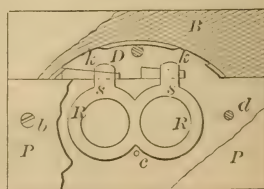
75023—J. T. Jones—Friction Driver.



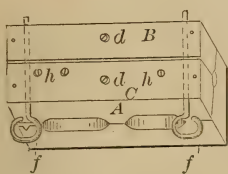
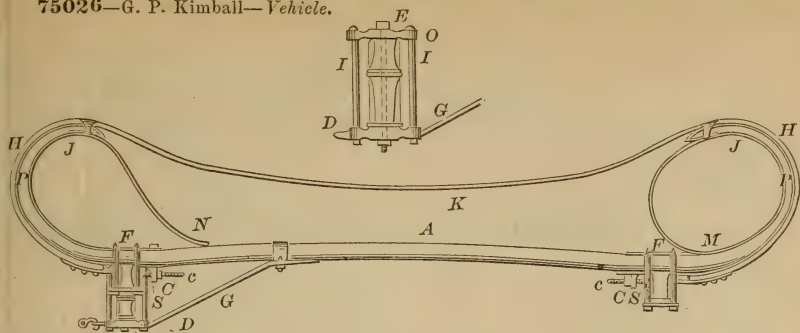
75024—J. T. Jones—Friction Driver.



75025—W. Johnston—Bedstead Fastening.



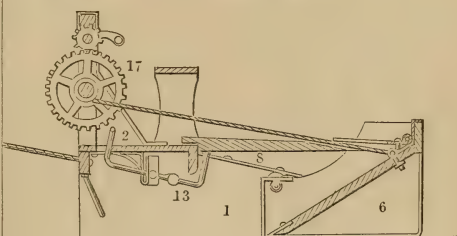
75026—G. P. Kimball—Vehicle.



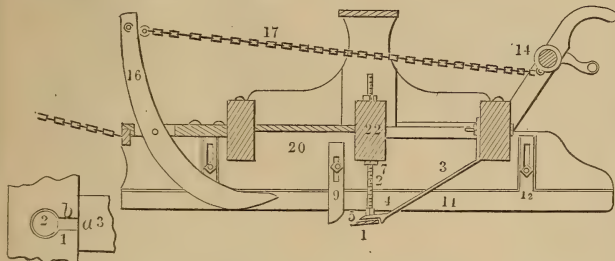
75027—A. A. Knowlton—Mould for Artificial Teeth.



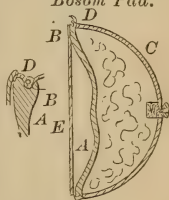
75028—S. Lewis—Snow Clearer.



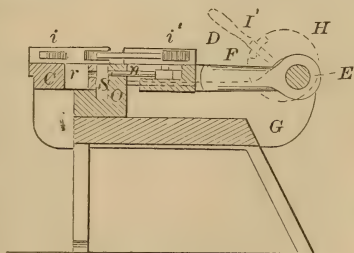
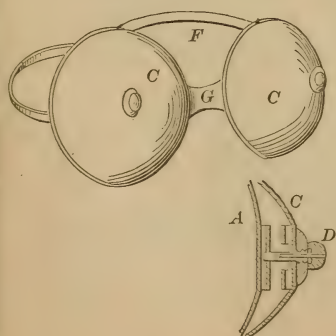
75029—S. Lewis—Ice Planer.



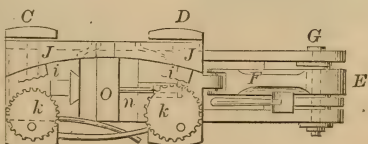
75031—H. W. Libbey—Bosom Pad.



75030—H. W. Libbey—Bosom Pad.



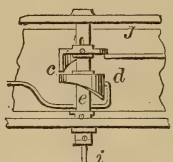
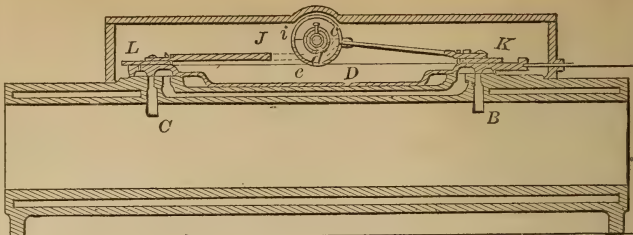
75032—S. E. Lockwood—Punching and Upsetting Apparatus.



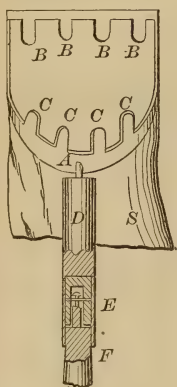
75033—J. A. J. Logan—Reflector.



75034—H. O. Lothrop—Steam Engine Cut-off.



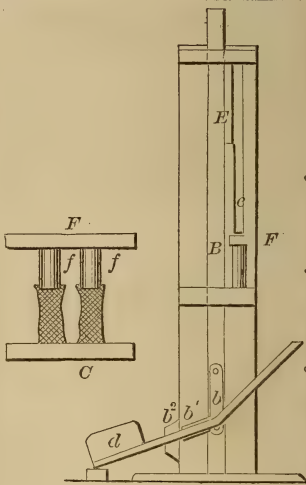
75035—V. H. Lyon—Fruit Gatherer.



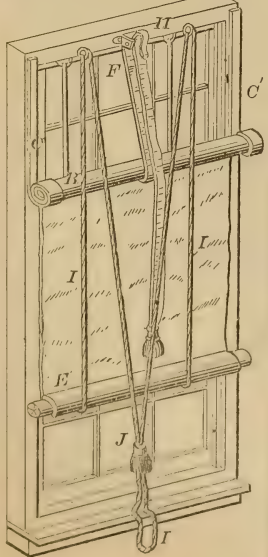
75036—C. Manheim—Catamenial Sack.



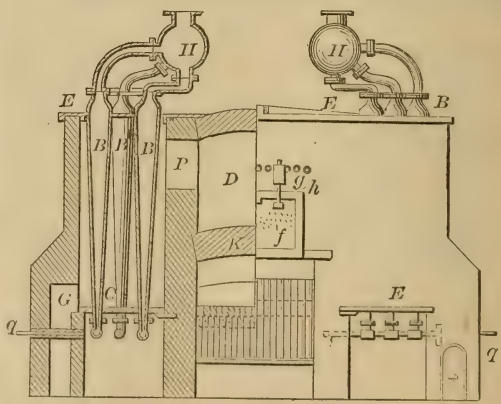
75038—D. C. Mayo—Press for Packing Shred Tobacco.



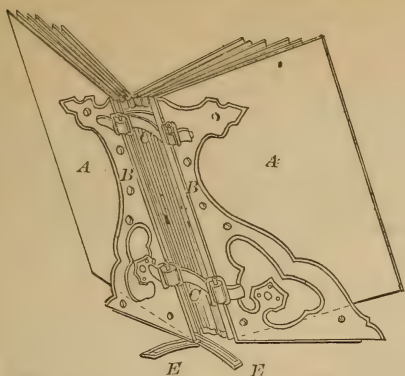
75037—C. G. Matchett—Window Shade.



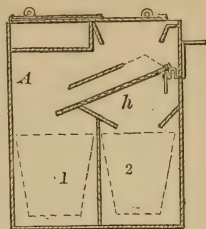
75039—D. N. Melvin—Steam Generating Furnace.



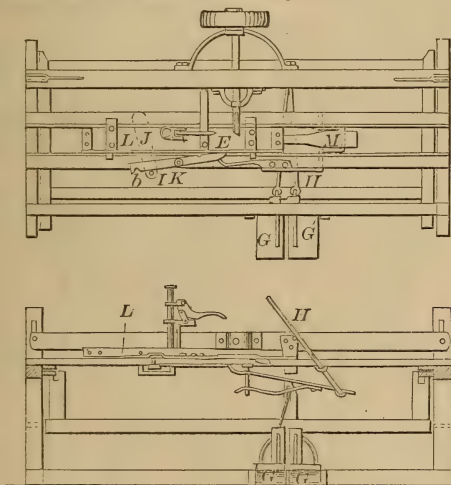
75040—W. Milliken—Book Cover and Stand.



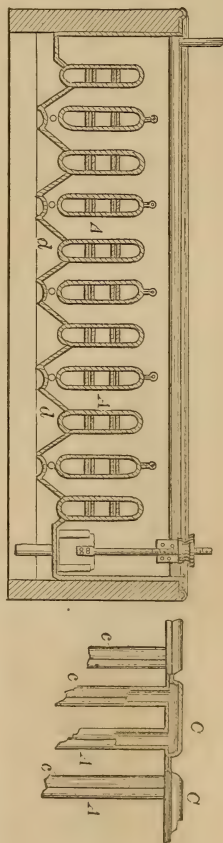
75043—D. Morrison—Coal Sifter.



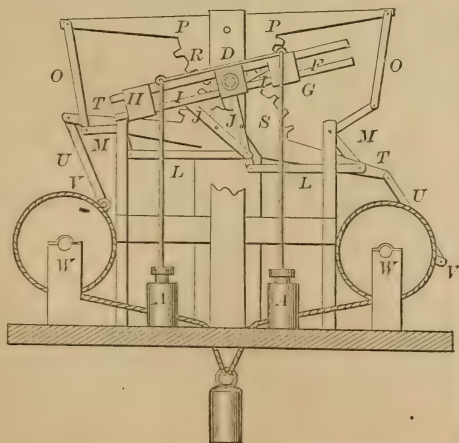
75041—B. F. Mohr—For Boring Posts.

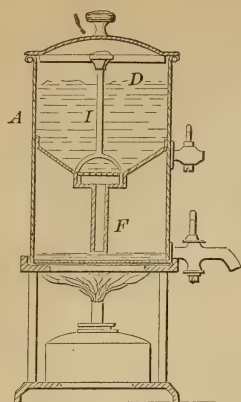
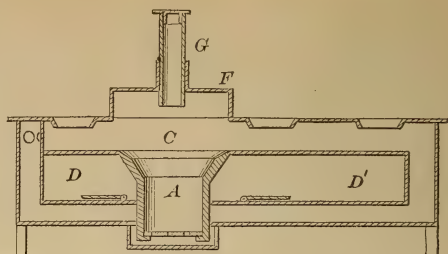
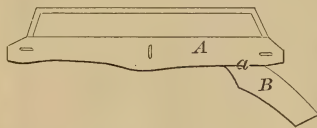
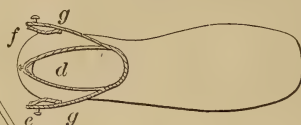
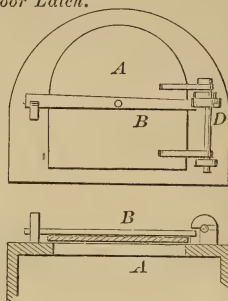
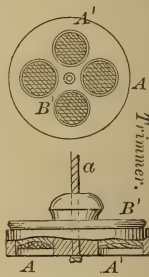
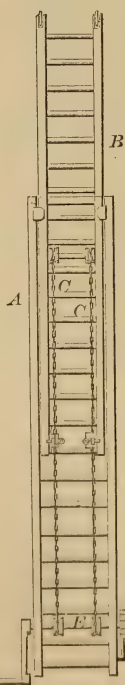
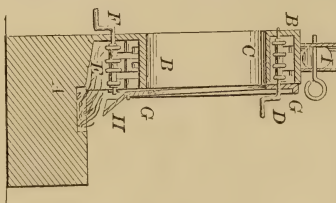
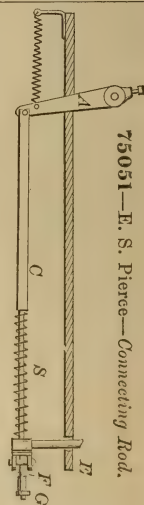
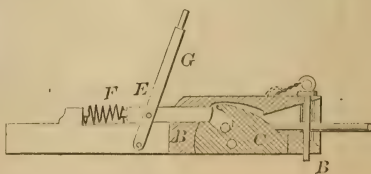
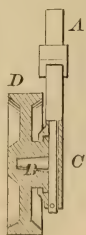


75044—R. Morton—Liquid Cooler.

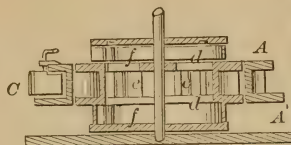


75042—H. Moore—Air Condensing Apparatus.

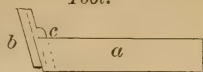


75045—J. Nason—*Coffee Pot.*75046—B. Nott—*Cooking Stove and Range.*75047—G. F. Perkins—*Collar and Neck Tie.*75048—C. Perley—*Shoe.*75053—J. L. Reilly—*Furnace Door Latch.*75049—H. Pernot—*Billiard Cue Trimmer.*75052—B. Pine—*Extension Ladder.*75050—E. Pierce—*Tire Heater.*75051—E. S. Pierce—*Connecting Rod.*75055—S. O. Rogers, Jr.—*Car Coupling.*75054—E. S. Rice—*Plove Wheel.*

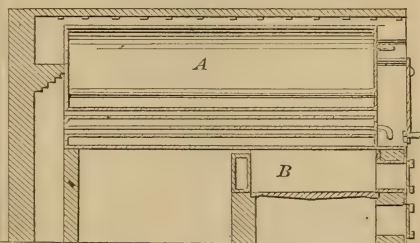
75056—Rose & Wright—Water Wheel.



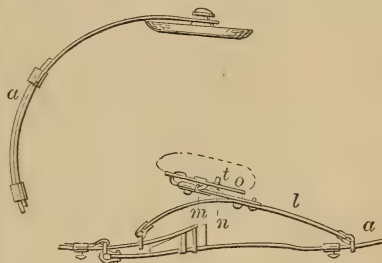
75060—T. Shaw—Lathe Tool.



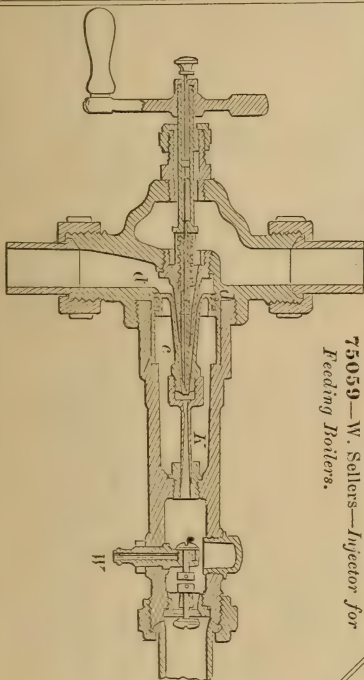
75057—S. Sawyer—Steam Generator.



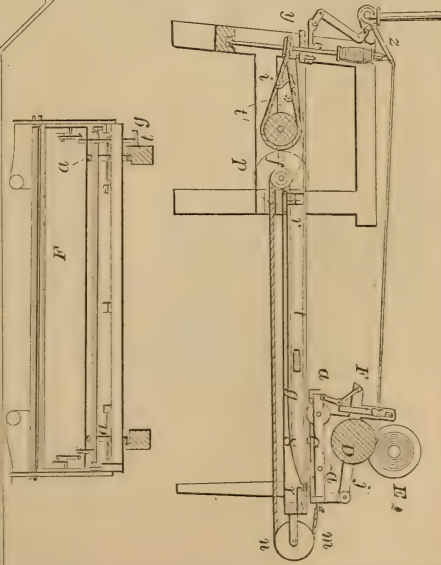
75061—J. A. Sherman—Truss.



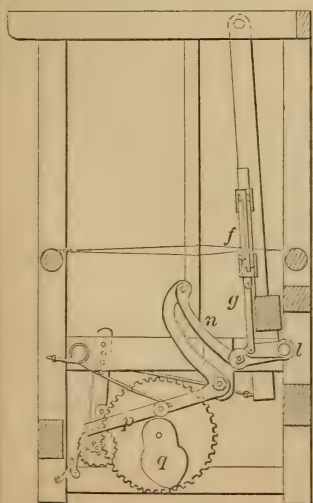
75059—W. Sellers—Injector for Feeding Boilers.

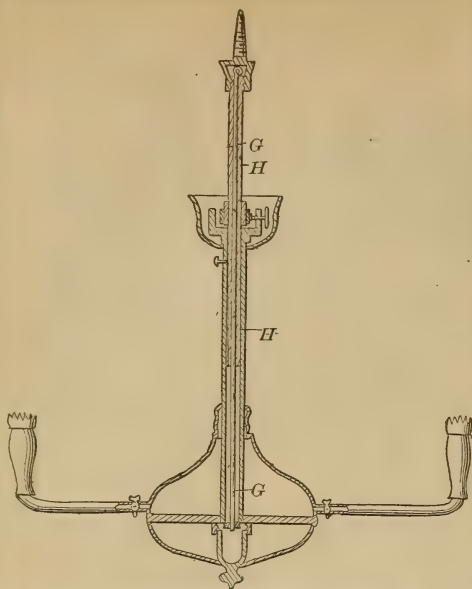
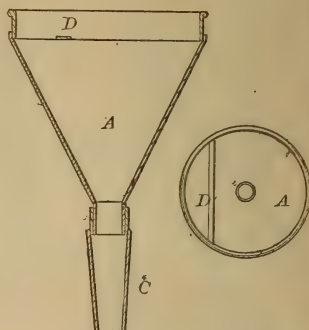
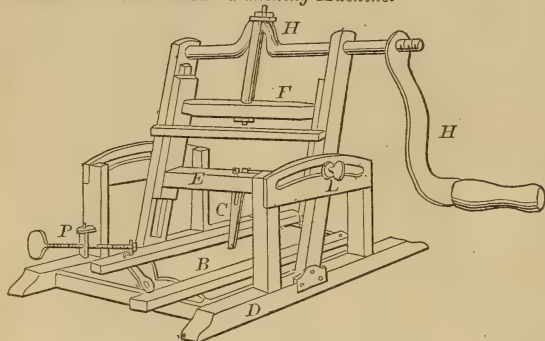
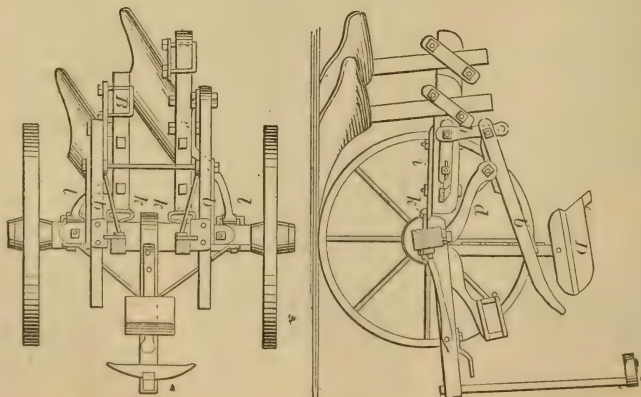
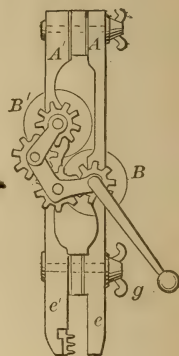


75063—A. W. Slivis—Hand Spinning Machine.

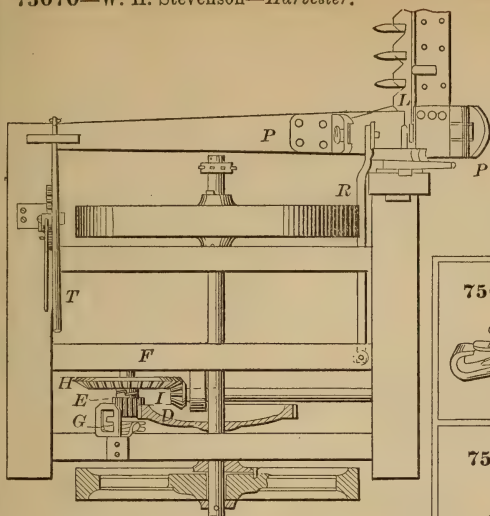


75062—Silbermann & Unger—Loom.

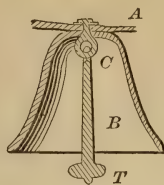


75064—R. J. Skinner—*Chandelier.*74065—T. W. Slade—*Funnel.*74068—C. Steinbach—*Punching Machine.*75066—H. E. Smith—*Clothes Wringer.*75069—G. Steingger—*Gang Plow.*

75070—W. H. Stevenson—*Harvester.*



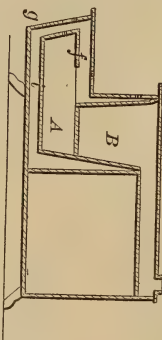
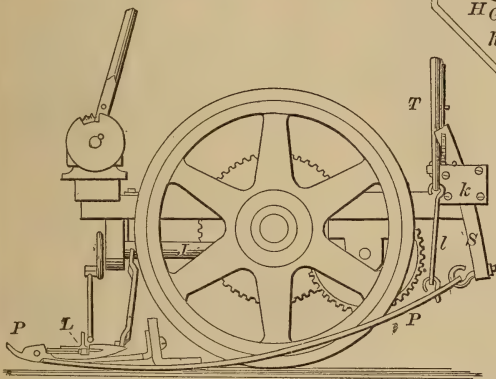
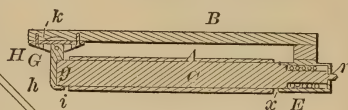
75071—G. M. Strong—*Sleigh Bell.*



75074—A. Sweetland—*Hame Fastener.*

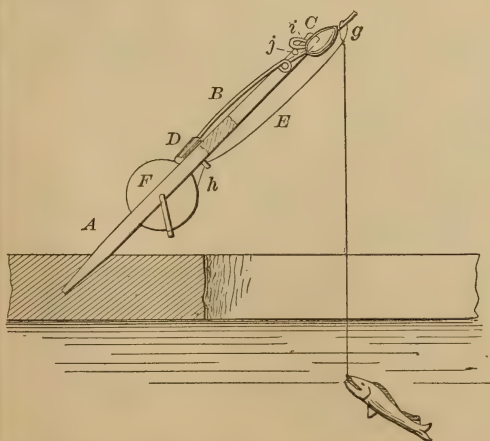


75072—A. Studley—*Curtain Fixture.*

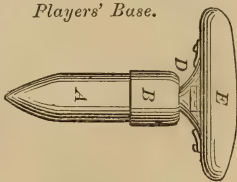


75073—G. W. Swett—*Cooking Stove*
Ash Pan.

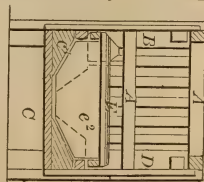
75075—D. C. Talbot—*Fishing Tackle.*



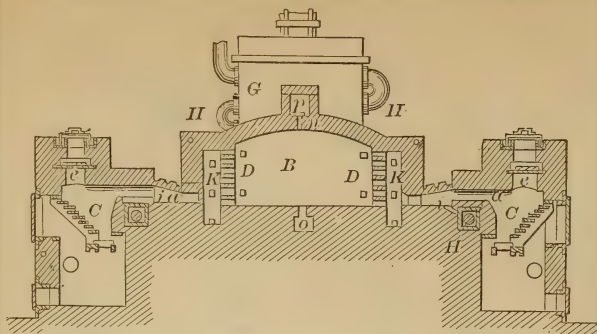
75076—E. D. Taylor—*Ball*
Players' Base.



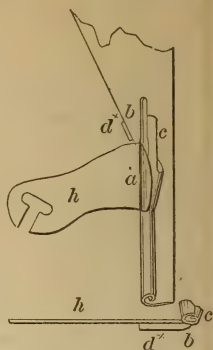
75077—J. Taylor—*Sheep Rack.*



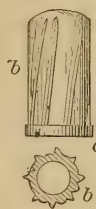
75078—A. Thoma—Furnace for Decarbonizing Pig Iron.



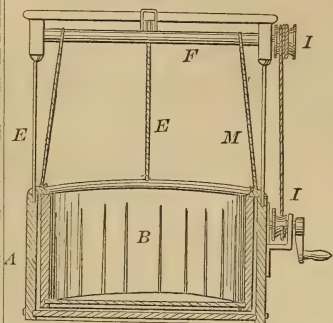
75079—W. H. Thomas—Sewing Machine Hemmer.



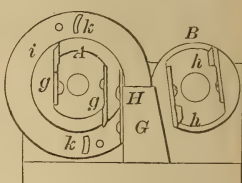
75080—A. C. Twining—Custor Socket.



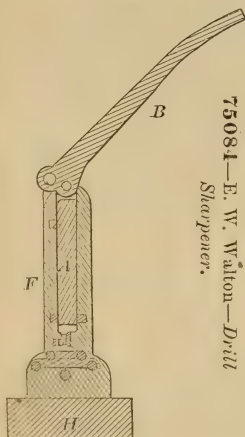
75081—Vine & Jubb—Dyers' Val.



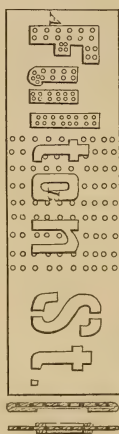
75082—I. S. Waite—For Finishing Card Handles.



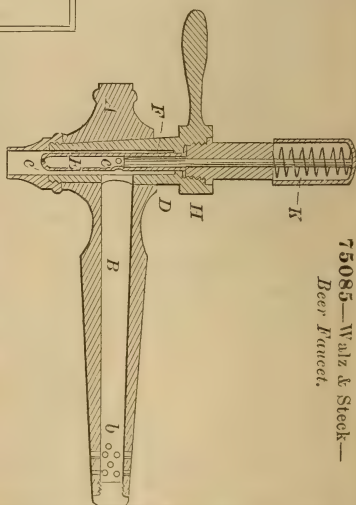
75084—E. W. Walton—Drill Sharpener.



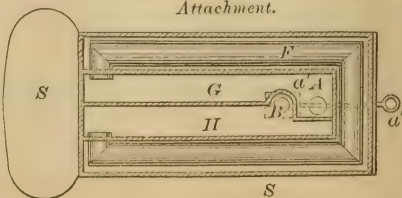
75086—W. P. Ware—Street Lamp Sign.



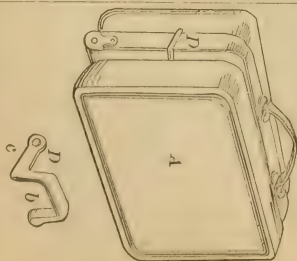
75085—Waltz & Steck—Beer Funnel.



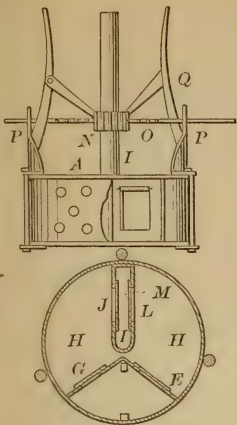
75087—B. J. Watson—Store Heat Radiating Attachment.



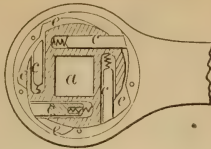
75083—W. Wakenshaw—Travelling Bag.



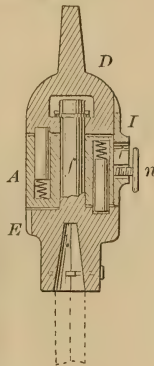
75088—J. R. Weisiger—
Pump.



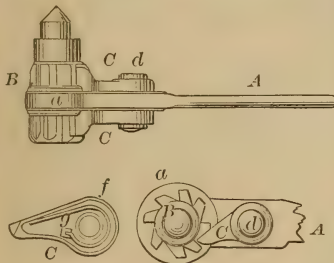
75089—T. A. Weston—
Ratchet Head and Lever.



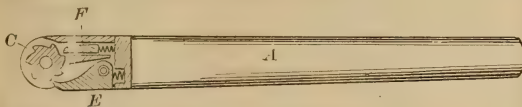
75091—T. A. Weston—
Ratchet Brace.



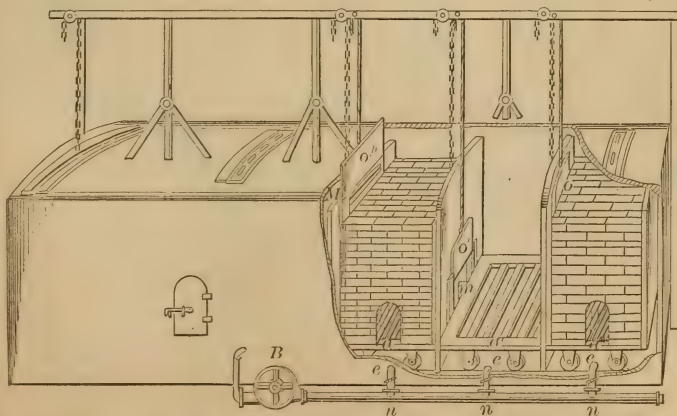
75092—T. A. Weston—*Ratchet
Brace or Lever.*



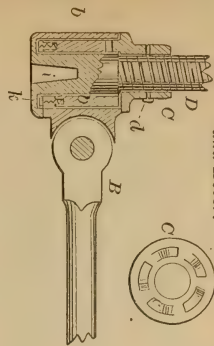
75093—T. A. Weston—*Ratchet Brace Lever.*



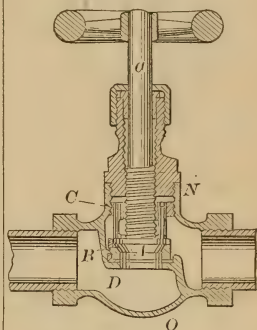
75096—H. D. Whittemore—*Brick Kiln.*



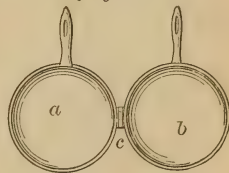
75090—T. A. Weston—*Ratchet Head
and Lever.*



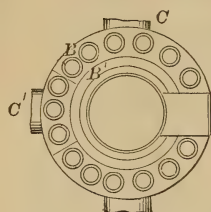
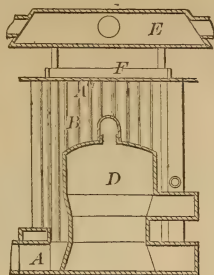
75094—S. H. Whitaker—
Globe Valve.



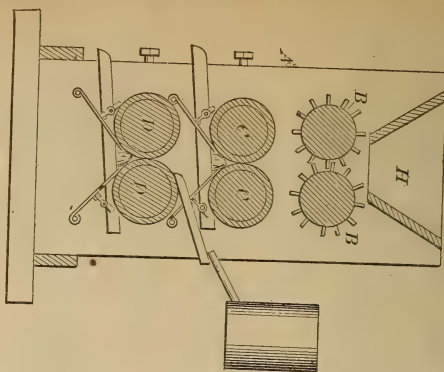
75095—R. C. Whitehouse—
Frying Pan.



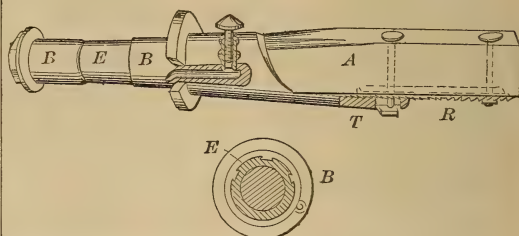
75097—C. F. Whorf—*Hot Air Furnace.*



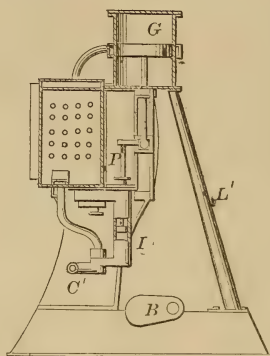
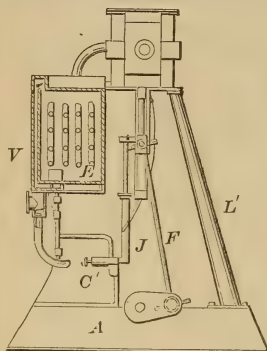
75101—J. D. Willoughby—*Cider Mill.*



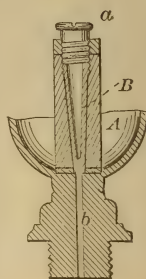
75099—J. A. Williams—*Vehicle Axle.*



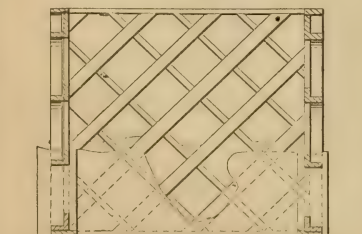
75102—I. S. Wilson—*Surface Condenser.*



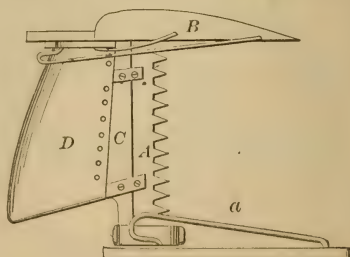
75100—N. B. Williams—*Oil Cup.*



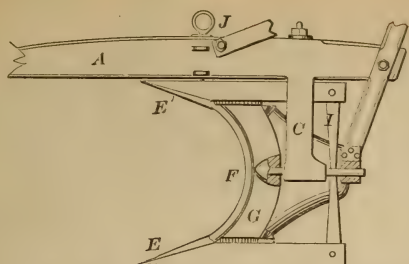
75098—C. Williams—*Construction of Walls of Buildings.*



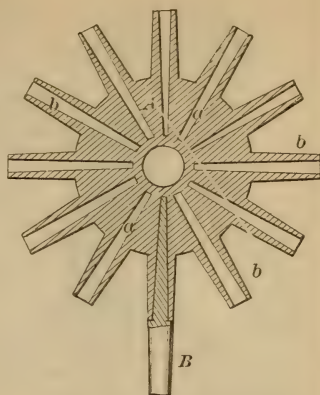
75103—R. C. Wrenn—*Hemp Harvester.*



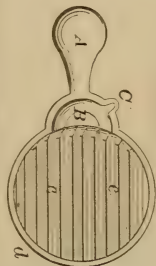
75104—H. B. Abbott—*Hillside Plow.*



75105—S. Allaire—*Carriage Hub.*

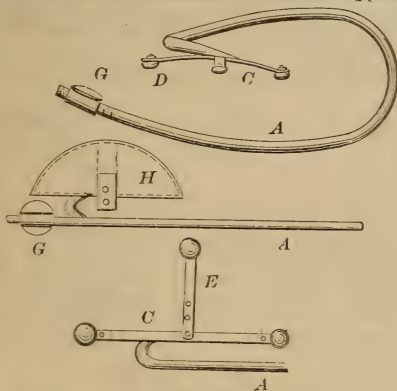


75106—W. Allender—*Aluminum Teeth Plate.*

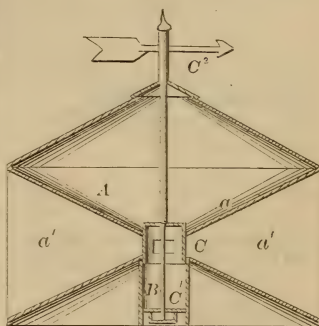


75107—W. Andrews—*Gridiron.*

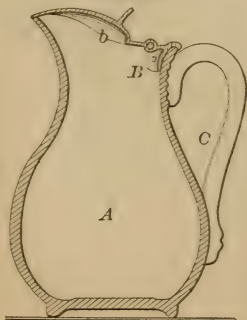
75108—G. W. Antisdale—*Truss and Supporter.*



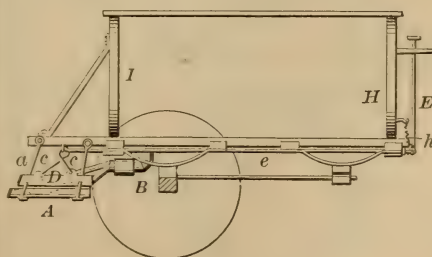
75109—C. W. Atkeson—*Cowl.*



75110—J. S. & T. B. Atterbury—*Glassware.*



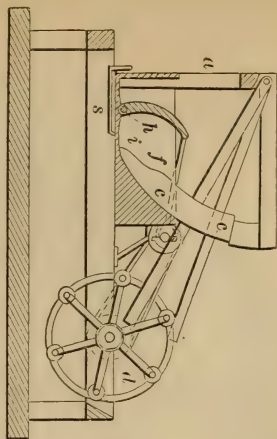
75111—L. F. Bancroft—*Street Sprinkler.*



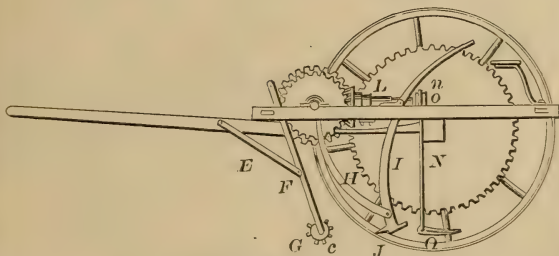
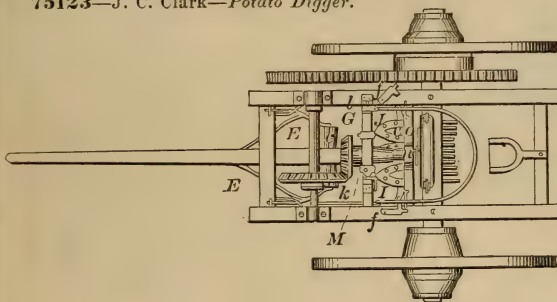
75120—B. S. Boydston—*Ironing Stand and
Clothes Dryer.* f



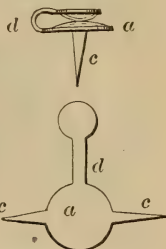
75122—A. Cattaneo—*For Filling Hot Bodies.*



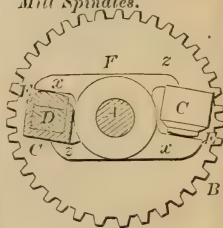
75123—J. C. Clark—*Potato Digger.*



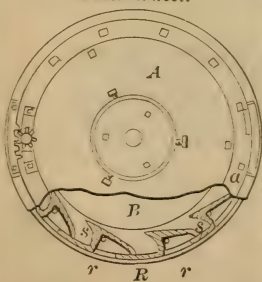
75126—O. H. Cooke—
Shoe Lacer.



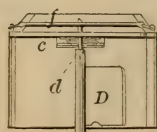
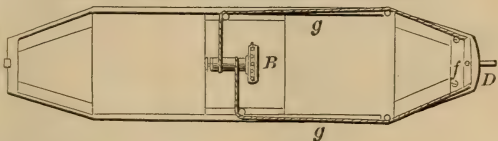
75124—T. L. Clark—
*Spring Equalizer for
Mill Spindles.*



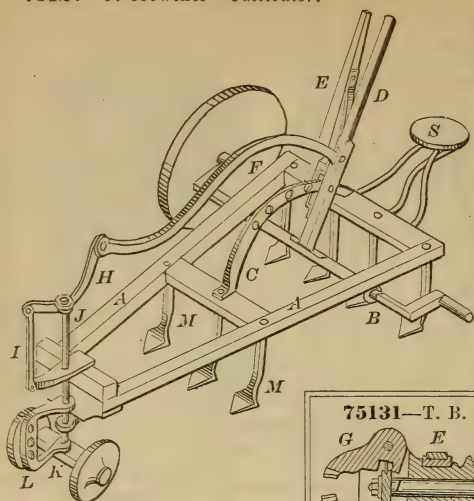
75121—N. F. Burnham—
Water Wheel.



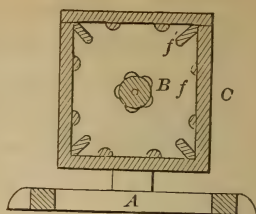
75125—G. H. Colbert—*Steering Apparatus.*



75127—J. Crowther—Cultivator.



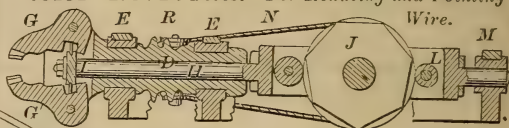
75129—G. Custer—Washing Machine.



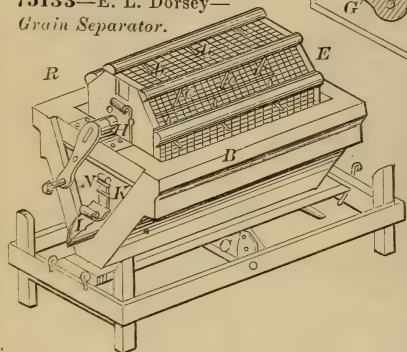
75130—A. R. Davis—Card Board for Printing



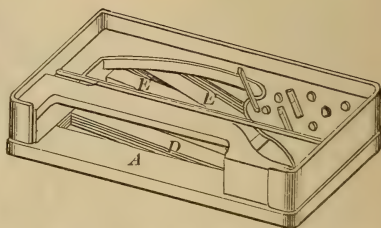
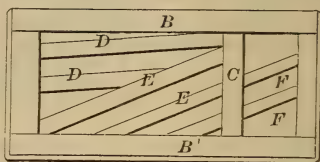
75131—T. B. De Forest—For Reducing and Pointing Wire.



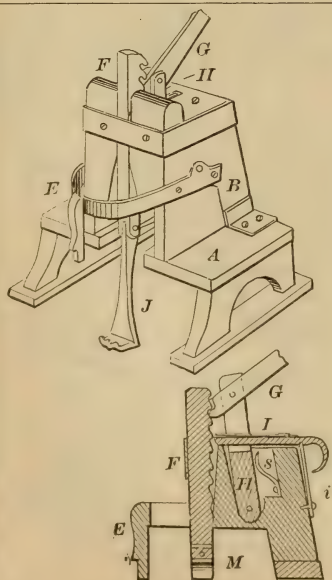
75133—E. L. Dorsey—Grain Separator.



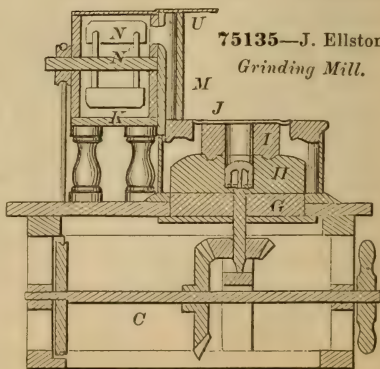
75132—A. F. Dessau—Piano Forte Frame.



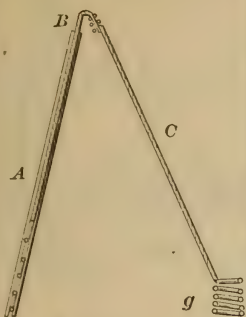
75134—J. Douglass—Lifting Jack and Spike Extractor.



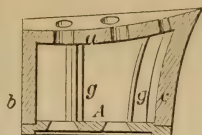
75135—J. Ellston—Grinding Mill.



75136—J. Emery—
Lamp Shade.



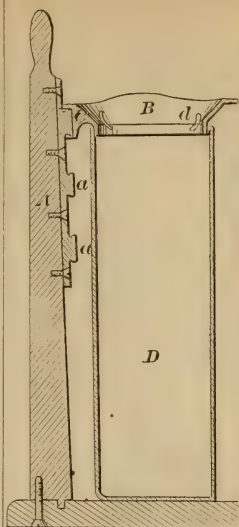
75137—T. S. Engledow—
Boot and Shoe Heel.



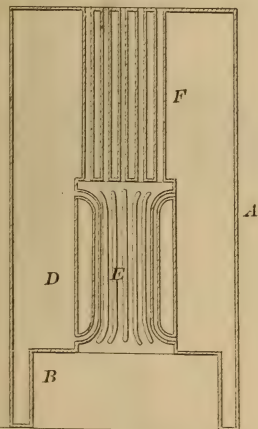
75140—H. Fassmann—*Cotton
Bale Tie.*



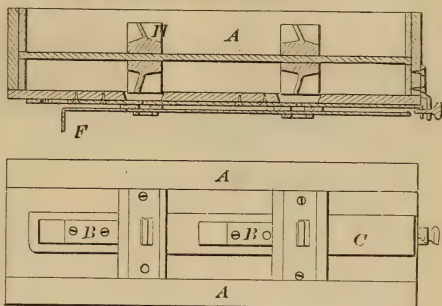
75138—E. C. Fairchild—*Bag Holder.*



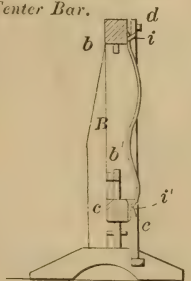
75141—H. T. Fenton—*Steam
Generator.*



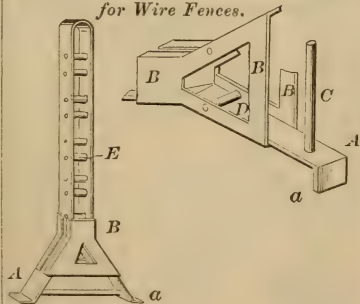
75142—J. R. Finch—*Grain Drill.*



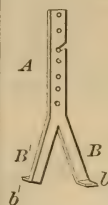
75143—S. L. Fiske—
Tenter Bar.



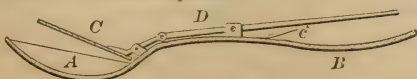
75144—H. K. Finchbaugh—*Iron Post
for Wire Fences.*



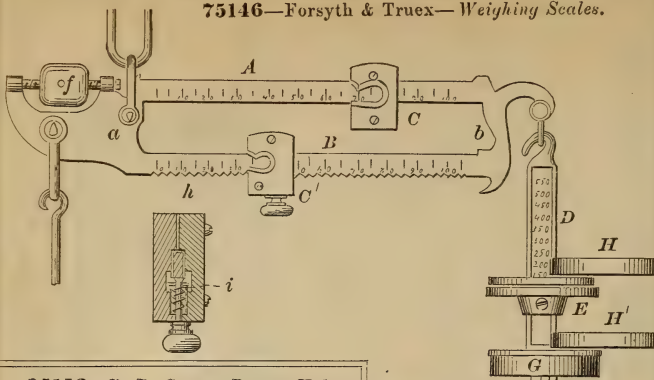
75145—H. K. Finchbaugh—*Iron Post for Wire
Fences.*



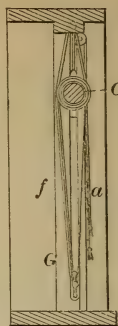
75139—S. Farrer—*Spoon.*



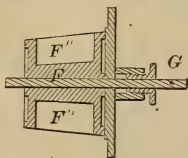
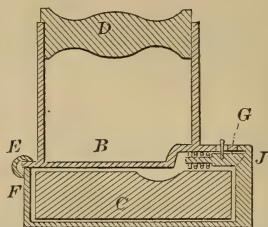
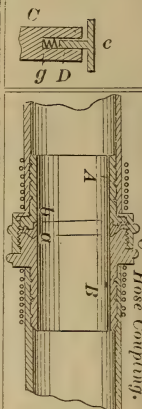
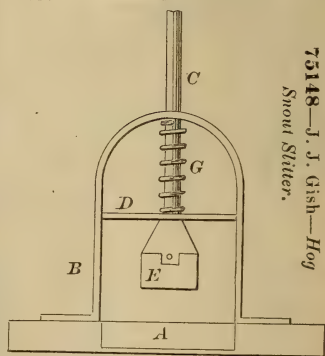
75146—Forsyth & Truex—Weighing Scales.



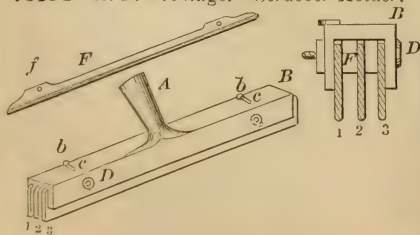
75152—J. C. Gorens—Window Shade.



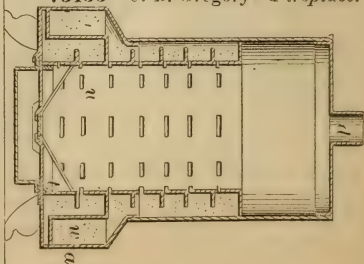
75153—R. D. Gray—Rotary Valve

75150—R. J. P. Goodwin—
Sad Iron.75151—R. J. Gould—Packing for
Hose Coupling.75148—J. J. Gish—Hog
Snow Sitter.

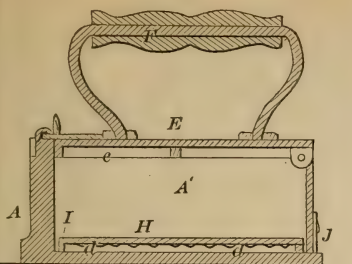
75154—H. B. Grebinger—Scrubber Holder.



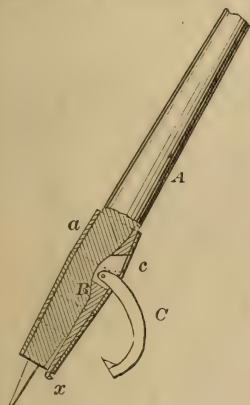
75155—C. B. Gregory—Fireplace.



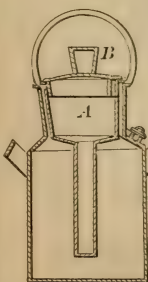
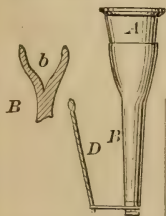
75156—J. Grüssi—Flatiron.



75162—G. W. Herring—Cant Hook.

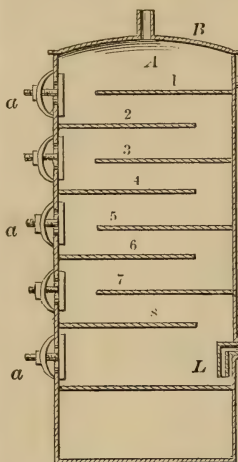
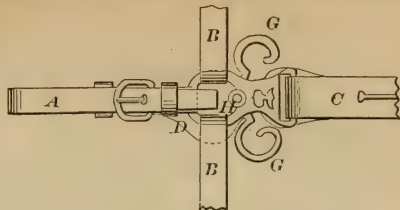


75158—J. R. Hamilton—
For Making Local
Applications.

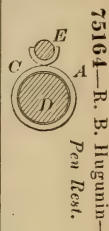


75160—Hawley & Westcott—
For Cooling Milk.

75157—J. N. Guger—Tug and Chain Carrier.

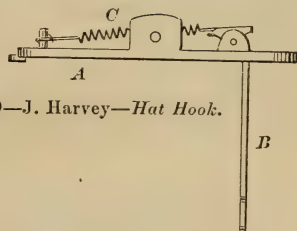


75163—J. S. Hooton—For
Heating and Purifying Feed
Water for Steam Generators.

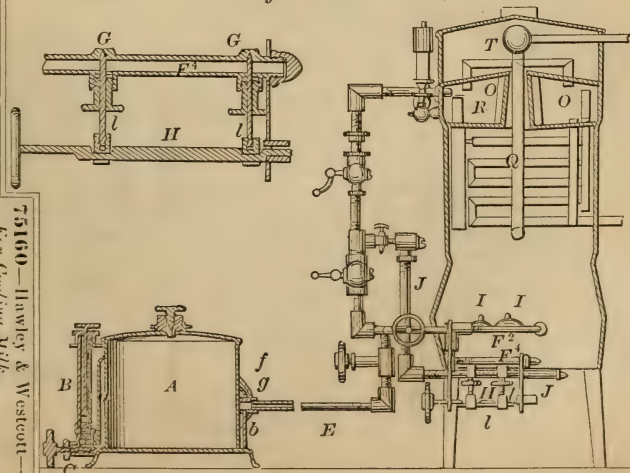


75164—R. B. Huggins—
Pen Rest.

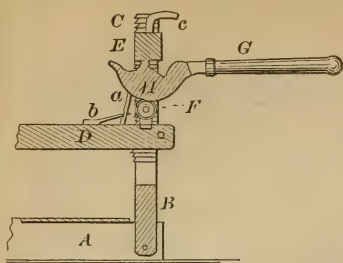
75159—J. Harvey—Hat Hook.



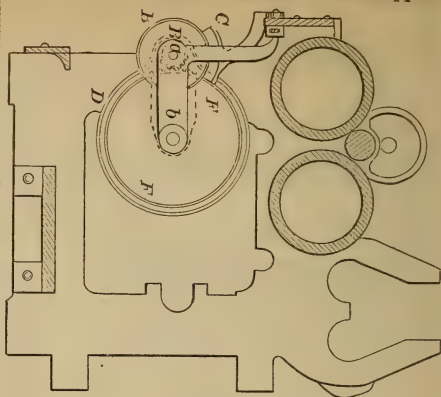
75165—J. S. Hull—Hydro-Carbon Burner.



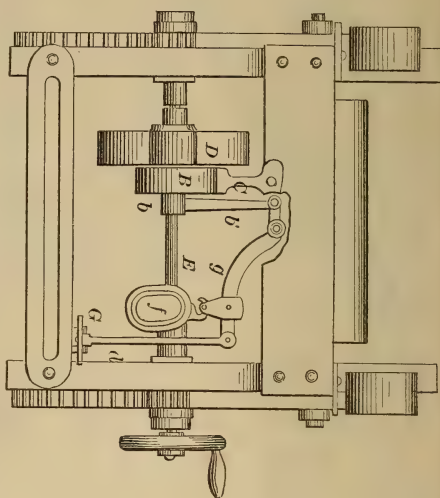
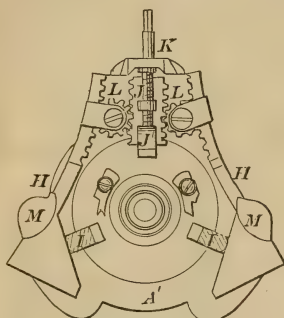
75166—J. Hutchinson—Hop Press.



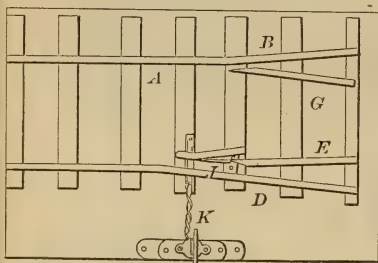
75169—K. Kitson—Brake for Cotton Lappers.



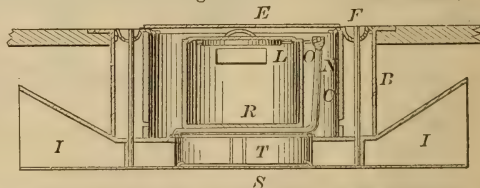
75167—N. Johnson—For Boring Hubs.



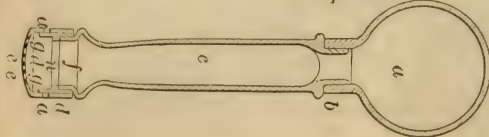
75171—H. K. Leech—Railroad Switch.



75172—Lighthall & North—Car Heater.



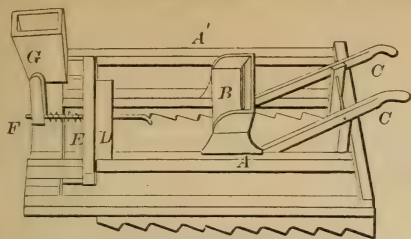
75168—E. H. Kirkham—Clothes Sprinkler.



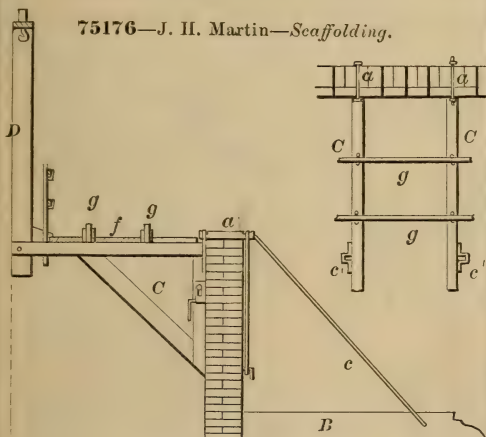
75173—W. A. Lighthall—For Securing Tubes in Surface Condensers.



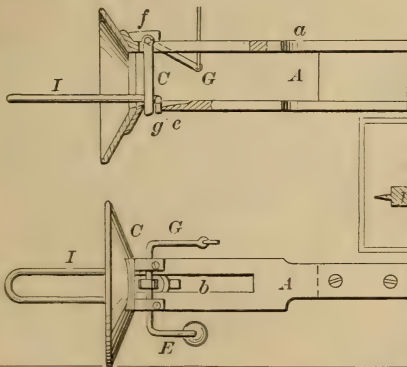
75174—Lowrey, Case & Chew—Corn Planter.



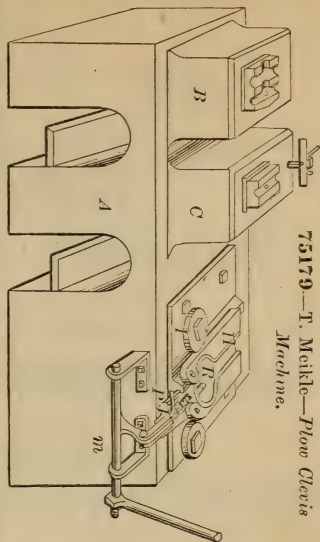
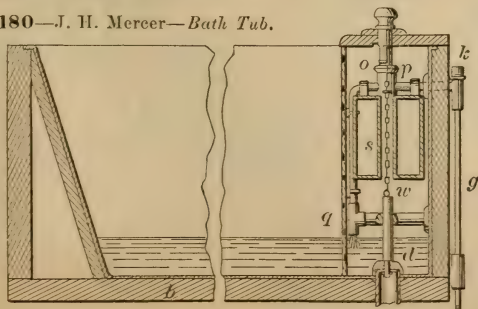
75176—J. H. Martin—Scaffolding.



75178—J. S. McMurray—Car Coupling.

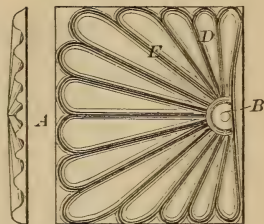


75180—J. H. Mercer—Bath Tub.

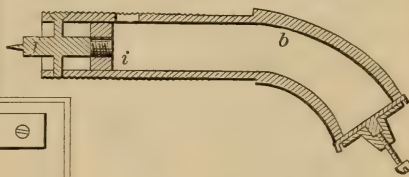


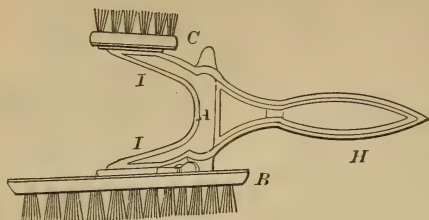
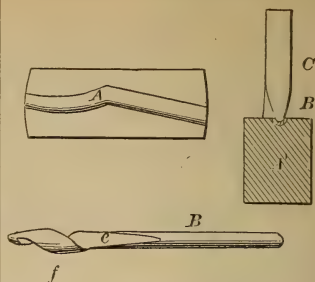
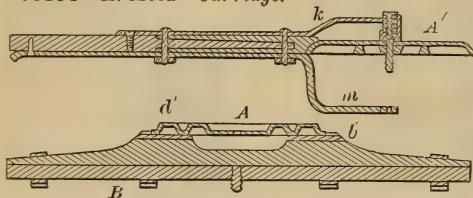
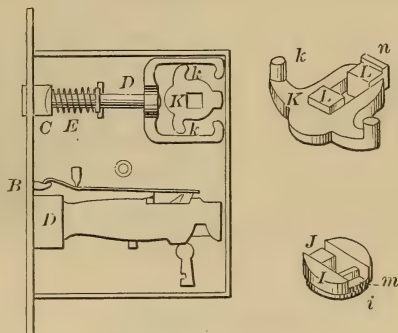
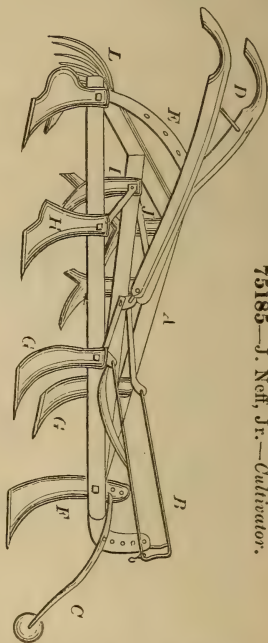
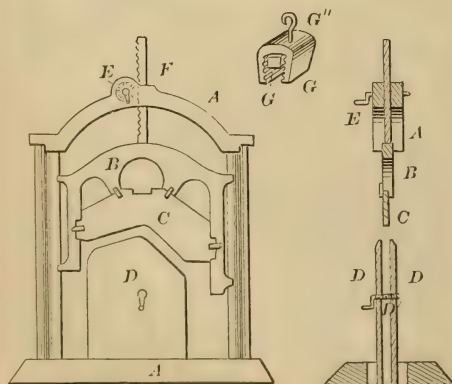
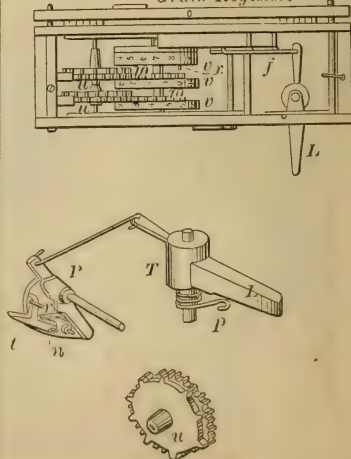
75179—T. Meikle—Glass Machine.

75175—Mace & Gwyer—Ice Box Bottom.

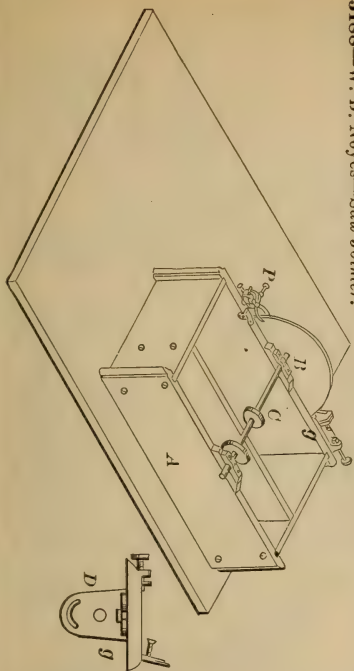


75177—S. McGee—Boring Faucet.

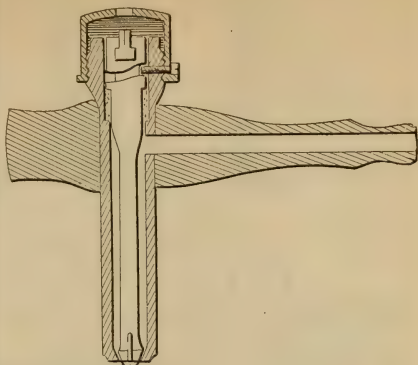


75181—H. J. Miller—*Boot Jack and Brush.*75182—J. Mix—*Gimlet.*75183—H. Moon—*Carriage.*75184—W. T. Munger—*Reversible Knob Latch.*75185—J. Neff, Jr.—*Cultivator.*75186—J. A. Nesbit—*Boot Crimping Machine.*75187—M. W. & G. W. Nesmith—*Grain Register.*

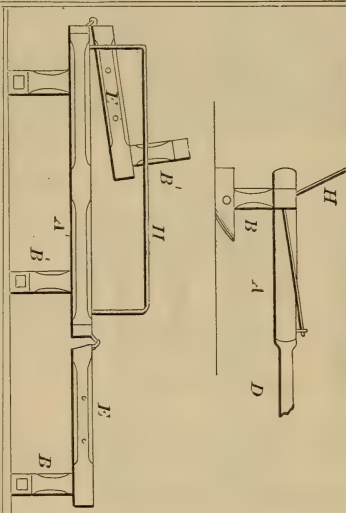
75188—W. B. Noyes—*Saw Joiner.*



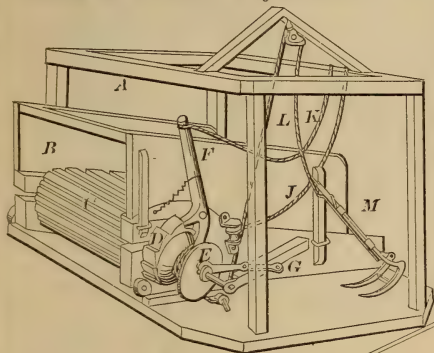
75191—T. W. Plum—*Syphon Faucet.*



75190—J. P. Olm—*Corn Marker, &c.*



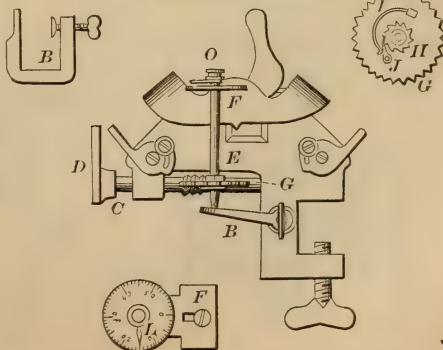
75193—H. G. Porter—*Hay Elevator.*



75192—D. H. Porter—*Pivoting Teeth.*



75194—J. C. Potter—*Knitting Machine Indicator.*



75189—P. Numsen—*Fruit Can.*

Fig. 4 & 5

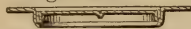
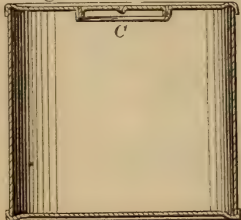
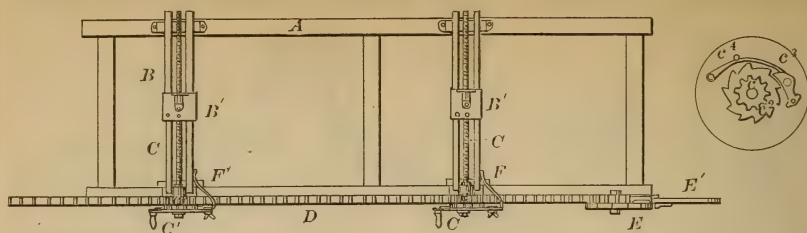
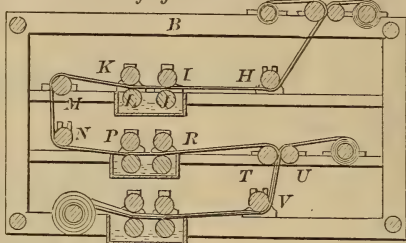
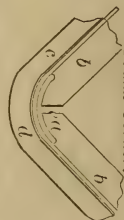
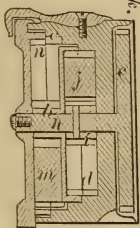
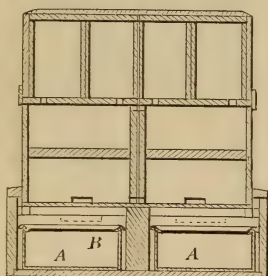
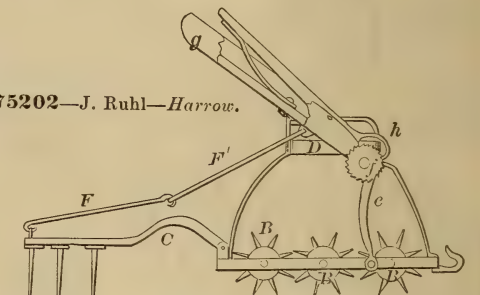
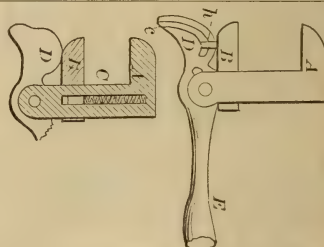
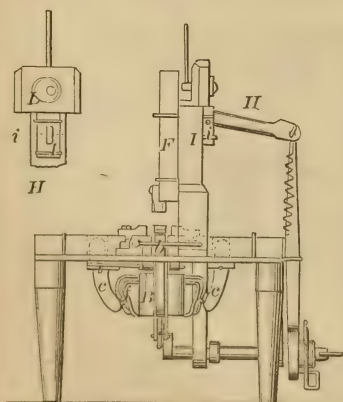
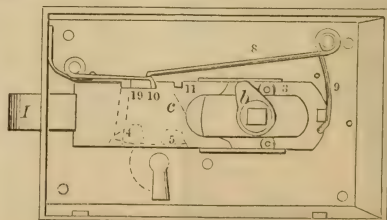
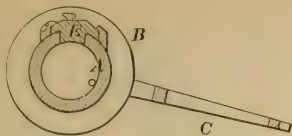


Fig. 1 C D

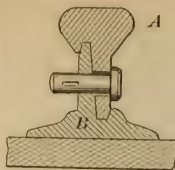


75195—W. S. Reeder—*Head Block for Saw Mills.***75197**—A. Robinson—*Manufacture of Roofing Fabrics.***75200**—E. A. G. Roundstone—*Trunk Corner.***75196**—G. Richardson—*Machine Clock.***75201**—D. Rudolph—*Beehive.***75202**—J. Ruhl—*Harrow.***75198**—J. Root—*Bolt Heading Machine.***75204**—G. Schumacher—*Knob Latch and Lock.*

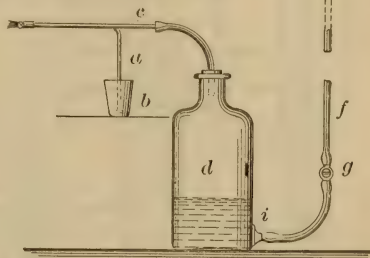
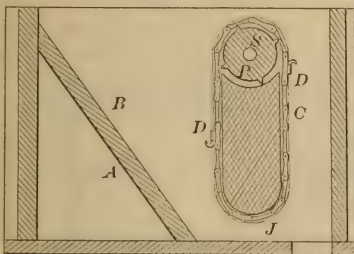
75205—Shaw & Simmons—Churn.



75206—E. R. Shepard—
Railroad Rail.

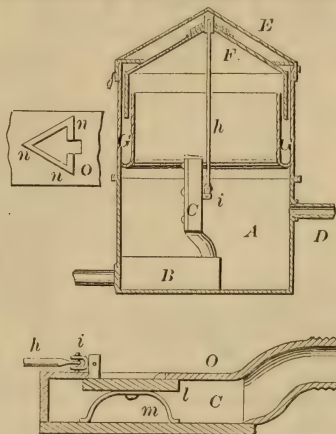
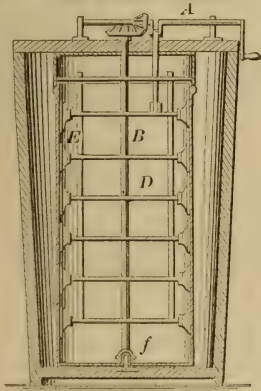


75207—N. B. Sherwood—Cotton Seed
Planter.



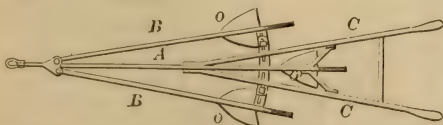
75208—A. M. Shurtleff—For Atomizing
Liquids.

75209—F. G. Siemens—Scraper for
Ice Cream Freezers.

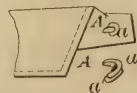


75210—W. A. Simonds—Gas Regulator.

75211—D. S. Slater—Cultivator.



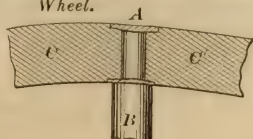
75212—B. M. Smith—Button Hole
for Paper Articles of Apparel.

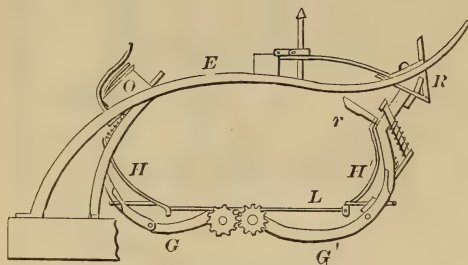
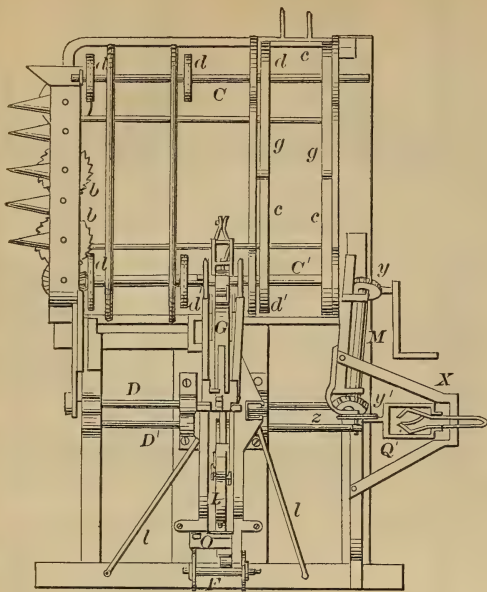
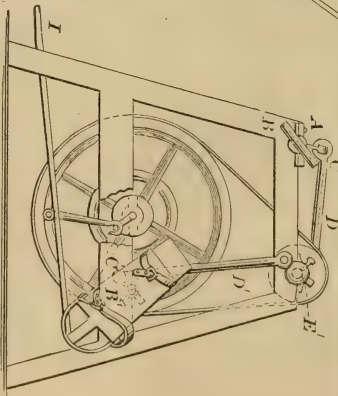
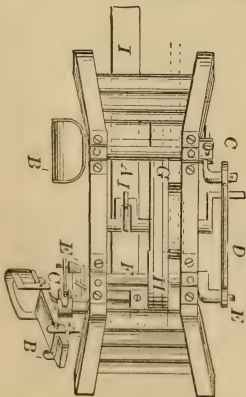
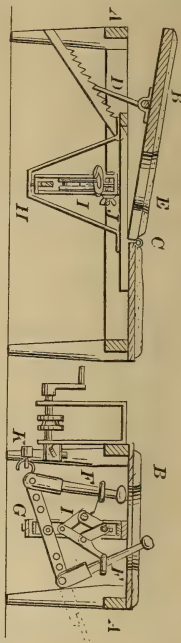
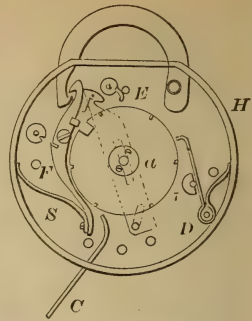


75214—G. B. St. John—Watch Key.

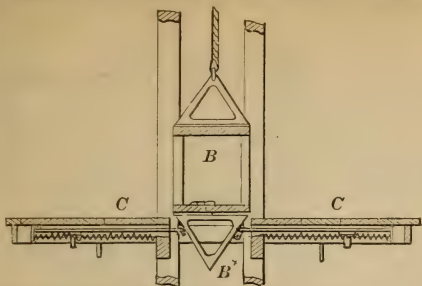


75213—J. C. Sparks—Carriage
Wheel.

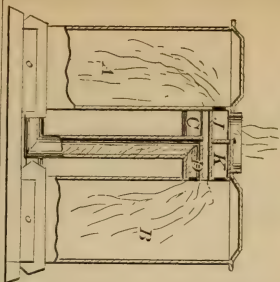


75215—A. S. Stone—*Grain Binder*.75218—G. H. Taylor—*Apparatus for Exercise*.75216—E. E. Stubbs—*Padlock*.75217—G. H. Taylor—*Apparatus for Exercise*.75219—H. R. Taylor—*Gear Cutting Tool*.

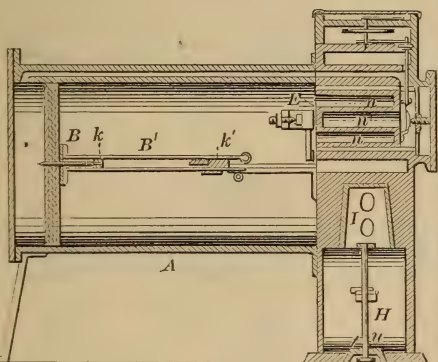
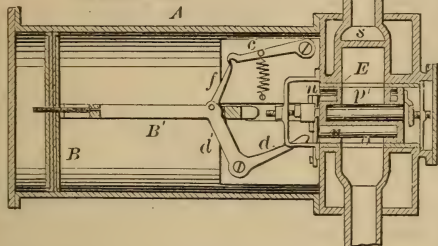
75220—D. B. Thompson—Elevator for Buildings.



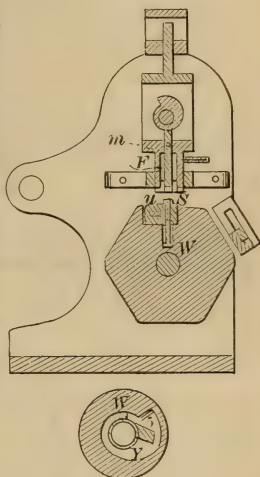
75223—H. B. Von Voorthis—
Coal Stove.



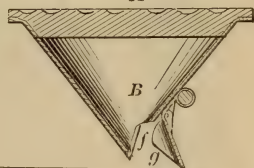
75225—Wagner & Sexauer—
Water Meter.



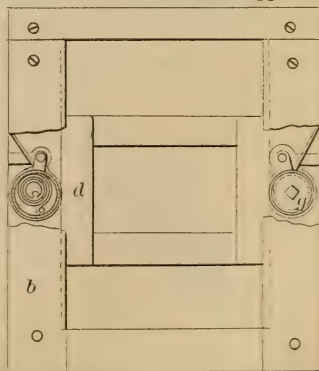
75221—H. Thompson—For Heading Bolts.



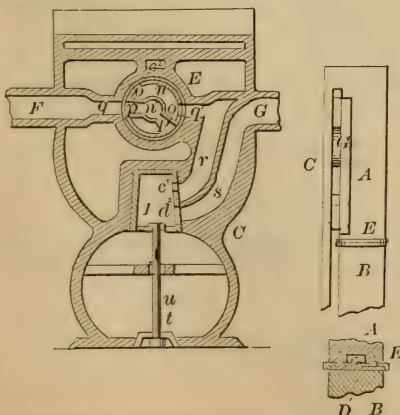
75222—J. C. Tunison—Spittoon.

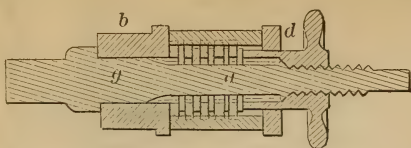
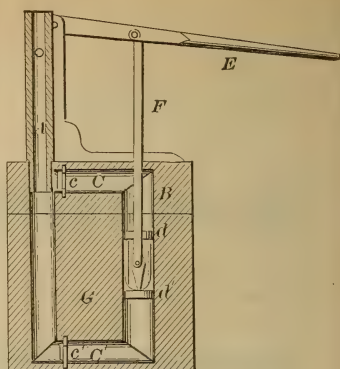
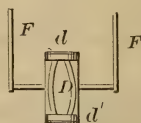
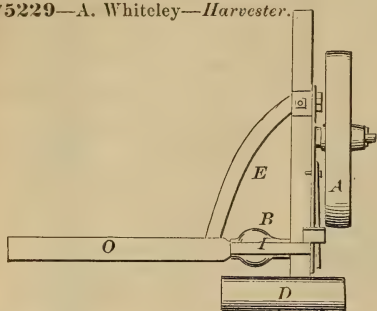
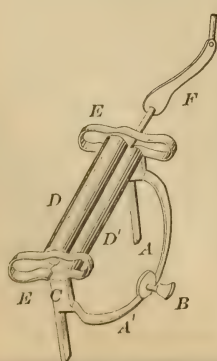
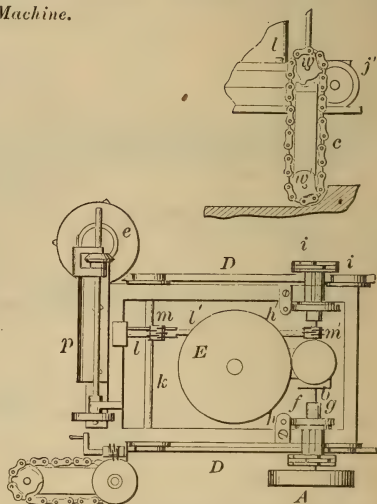
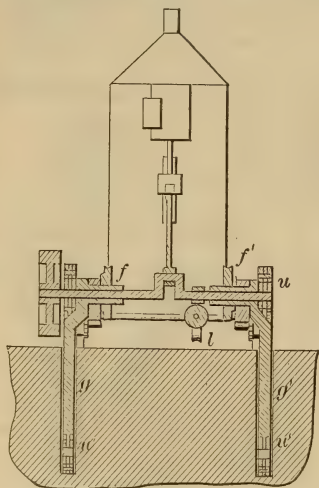
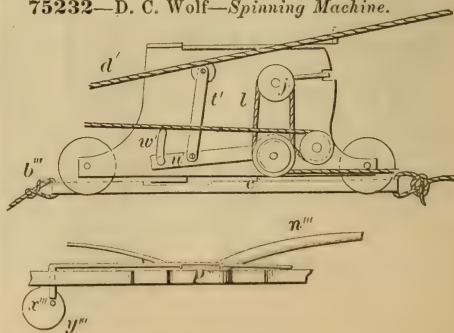


75226—P. Wenzel—Sash Supporter.

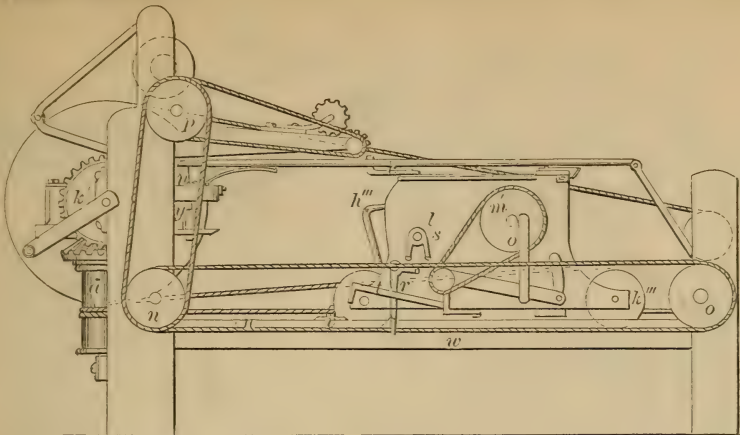


75224—W. F. Weber—Gate Post.

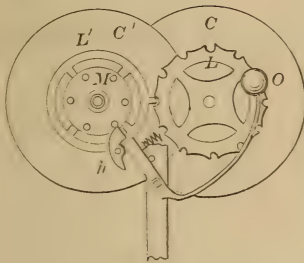
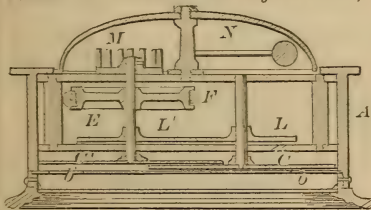


75227—T. A. Weston—*Coupling and Brake.*75228—P. B. & H. M. C. White—*Pump.*75229—A. Whiteley—*Harvester.*75230—W. Wickersham—*Marble Cutting Machine.*75231—G. L. Wüstl—*Clothes Wringer.*75232—D. C. Wolf—*Spinning Machine.*

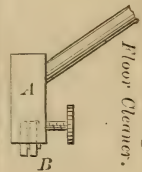
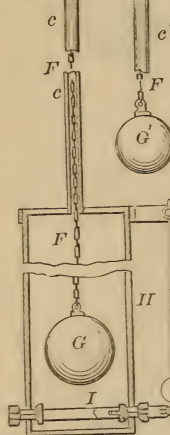
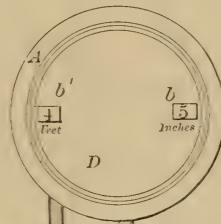
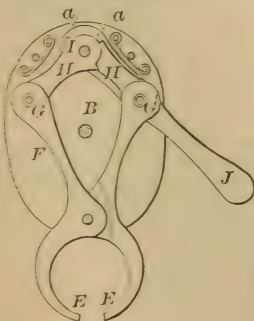
75232—Continued.



75235—T. P. Akers—Leakage Measure,

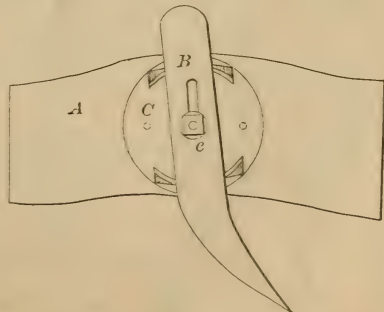
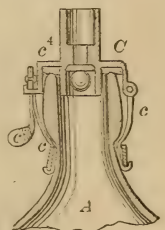


75234—N. B. Adams—Boat Detaching Block.



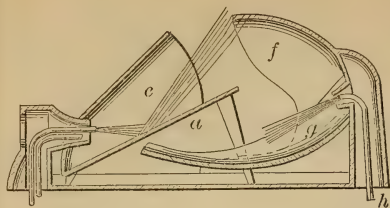
75236—A. Armstrong—Floor Cleaner.

75233—I. Zamboni—Bottle Stopper.

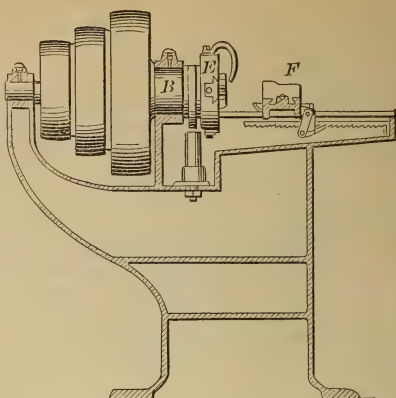


75237—J. Anghe—Counter Holder.

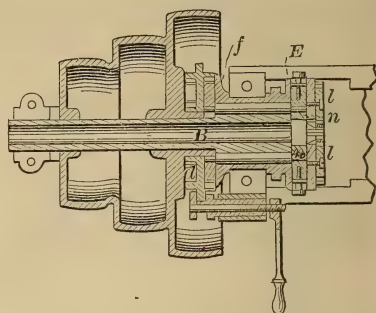
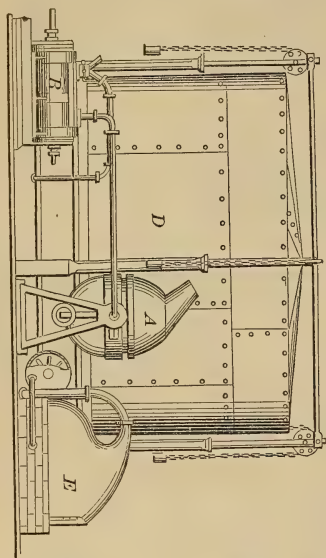
75238—H. Baldwin—*For Burning Crude Petroleum.*



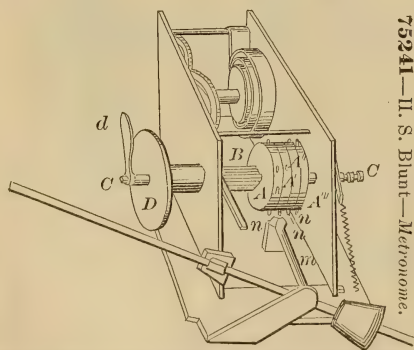
75239—W. B. Bement—*Bolt Threading Machine.*



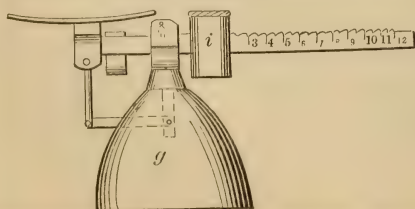
75240—J. F. Bennett—*Purifying Iron and Steel.*



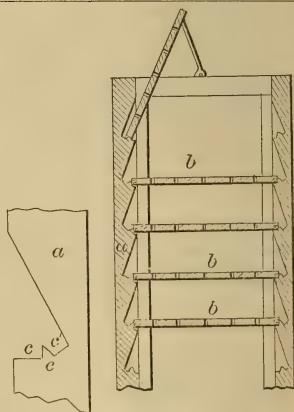
75241—H. S. Blunt—*Metronome.*



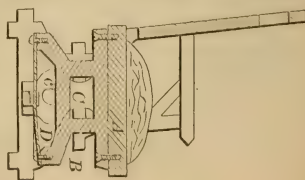
75244—B. Chambers, Jr.—*Letter Balance.*



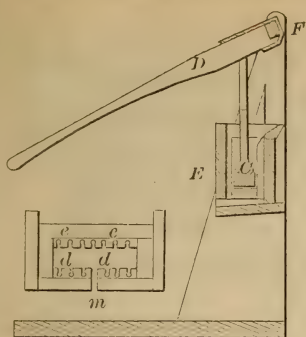
75243—J. K. Caldwell—*Brick Carrying Car.*



75246—C. W. Conant—*Rocking Chair.*



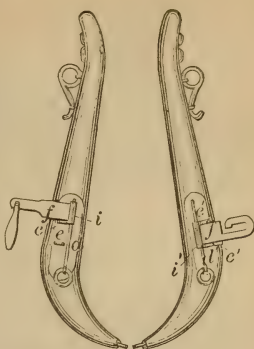
75247—Covey & Duffy—Mop Press.



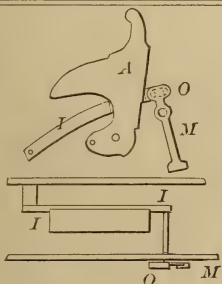
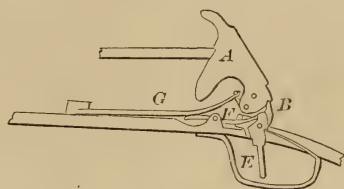
75249—J. D. Cramer—For Raising and Lowering Window Sash.



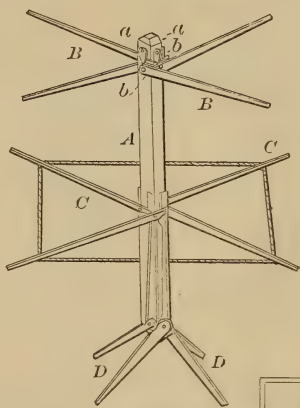
75250—B Crawford—Hames.



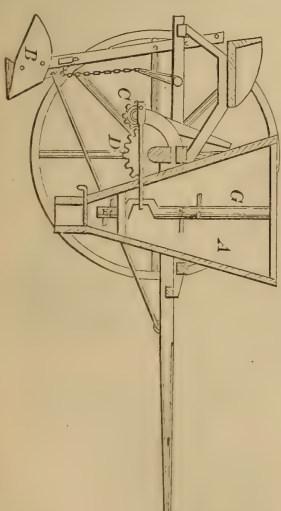
75248—J. F. & W. N. Crabtree—Gun Lock.



75251—H. Du Bois—Clothes Dryer.



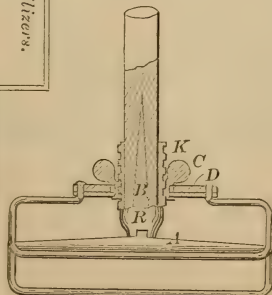
75252—J. S. Edwards—For Distributing Fertilizers.



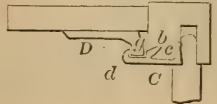
75255—G. Fenton—Hay Knife.



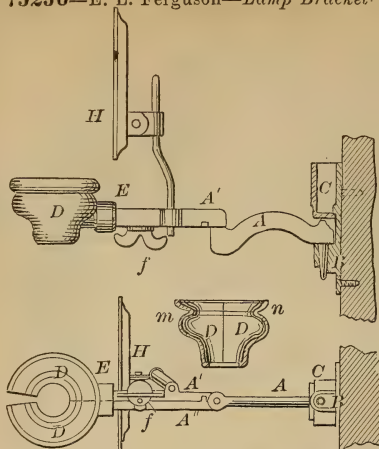
75253—R. W. English—Mop Head.



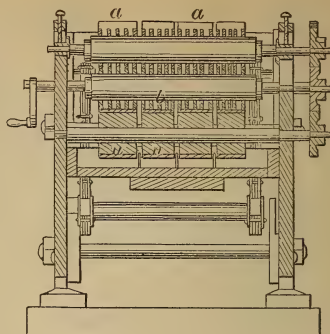
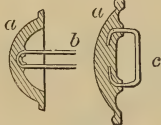
75254—B. Essig—Bedstead Fastening.



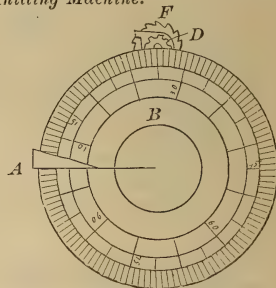
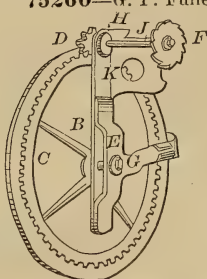
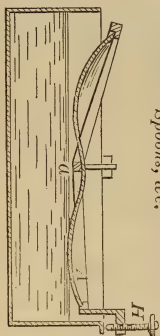
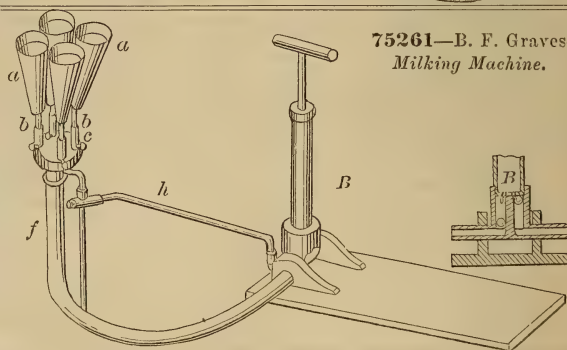
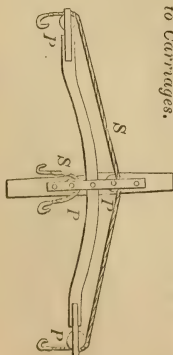
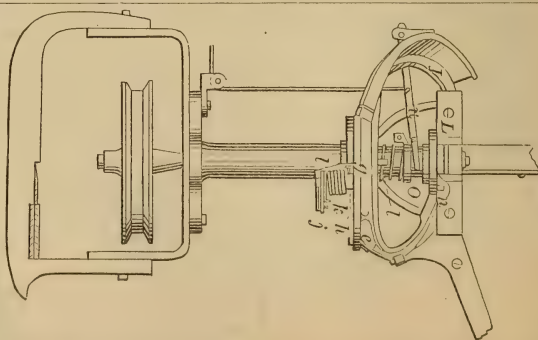
75256—E. L. Ferguson—Lamp Bracket.



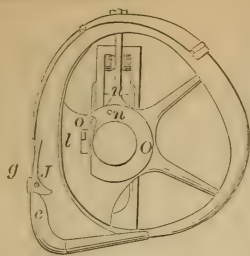
75259—J. Forrest—For Printing Yarn.

75257—M. A. Fisk—
Harness Trimming.

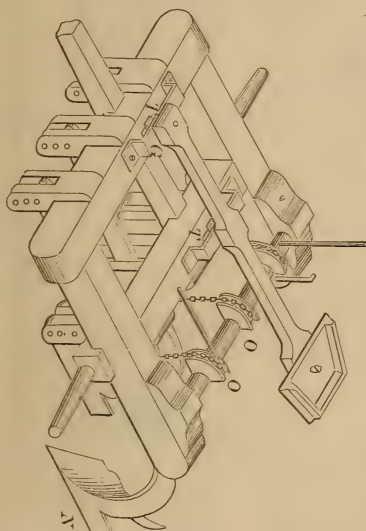
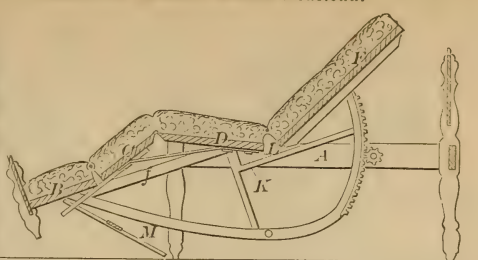
75260—G. P. Fuller—Knitting Machine.

75258—M. L. Forbes—Plating
Spoons, etc.75261—B. F. Graves—
Milking Machine.75262—Hale & Flagler—Attaching Animals
to Carriages.75263—T. Harding—Harvester
Rebe.

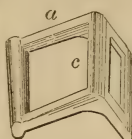
75263—Continued.



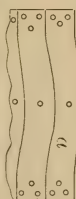
75265—W. Heath—Invalid Bedstead.



75268—C. Hess—Gang Plow.

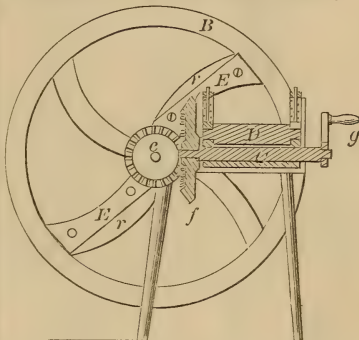


75267—J. W. Hedenburg—Cotton Bale Tie.

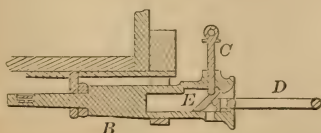
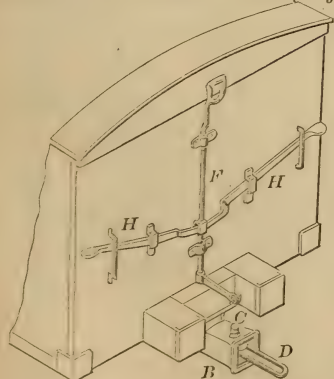


75266—E. Heaton—Shank Spring.

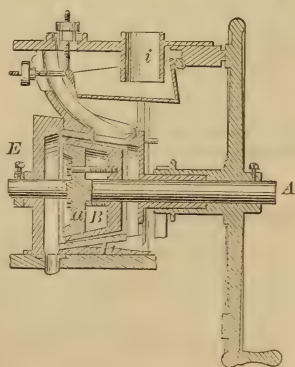
75269—L. B. Hoyt—Straw Cutter.

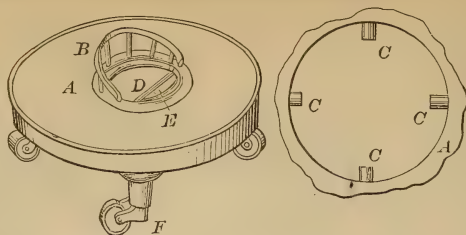
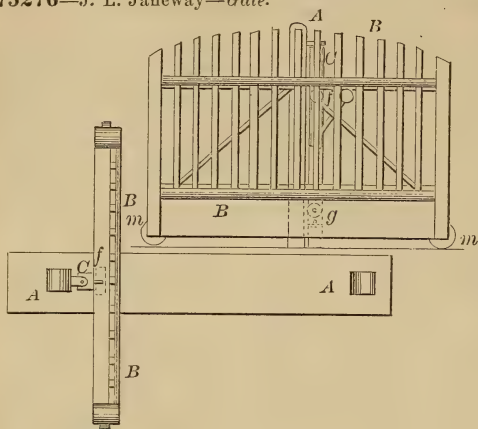
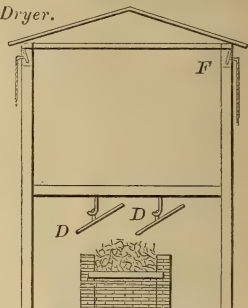
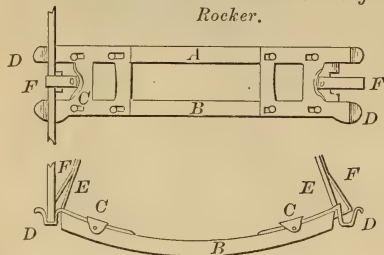
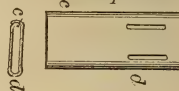
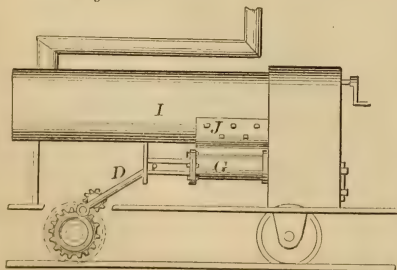
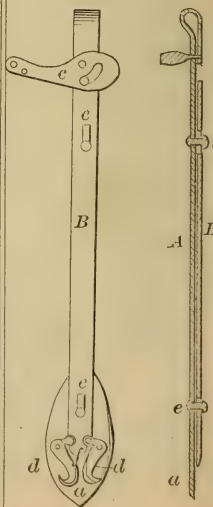


75270—W. H. Hoover—Car Coupling.

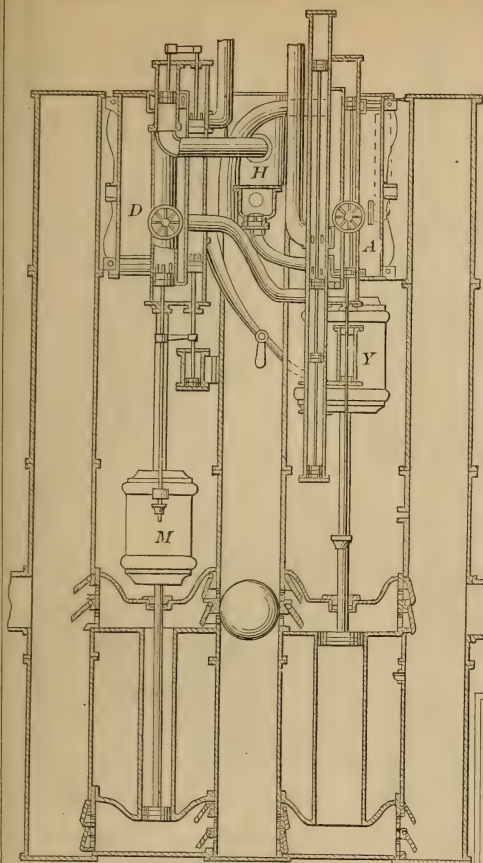


75273—Hubbard & Smith—Grinding Mill.

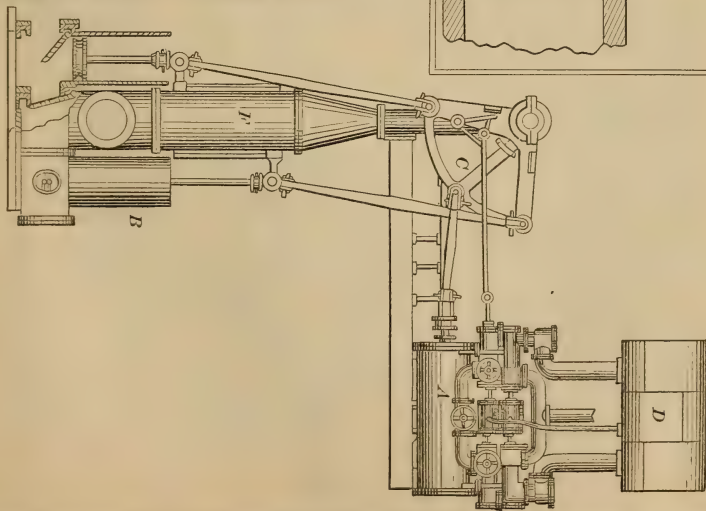


75274—P. H. Hurd—*Baby Creeper or Walker.*75276—J. L. Janeway—*Gate.*75275—W. L. Imlay—*Closing Fruit Jar.*75277—J. B. Johnson—*Grain Dryer.*75278—A. D. Juelson—*Child's Carriage Rocker.*75281—A. D. Laws—*Lamp Wick Tube.*75280—S. L. Langdon—*Locomotive Engine.*75279—P. M. Kafer—*Stern Generator Tube.*75282—J. E. Lobacell—*Horse Hay Fork.*

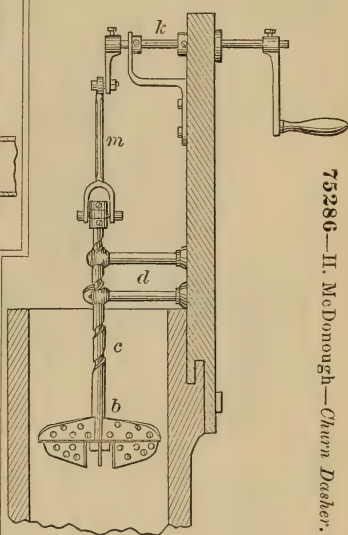
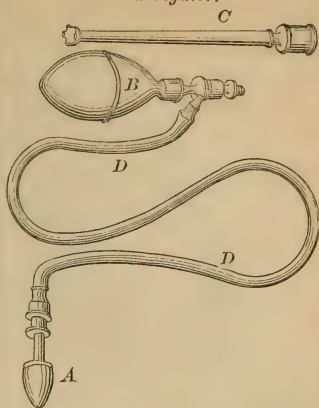
75283—J. L. Lowry—*Steam Engine.*



75284—J. L. Lowry—*Pumping Engine.*

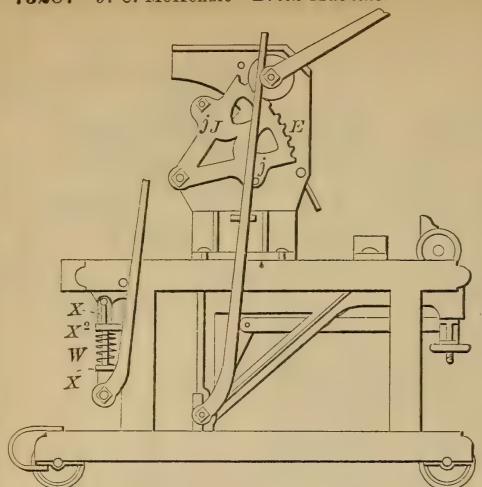


75285—M. Mattson—*Nasal Irrigator.*

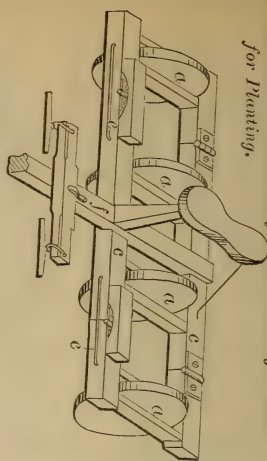


75286—H. McDonough—*Churn Dasher.*

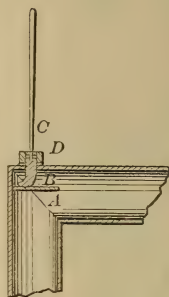
75287—J. C. McKenzie—Brick Machine.



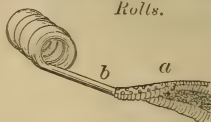
75288—W. R. McKinley—For Marking Ground for Planting.



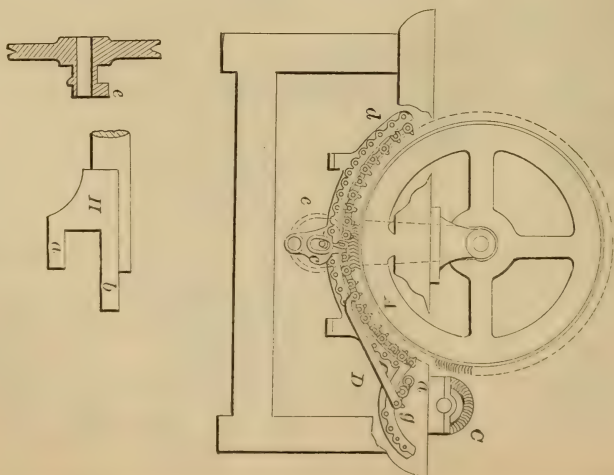
75291—J. W. Mortimer—Stove Pipe Cleaner.



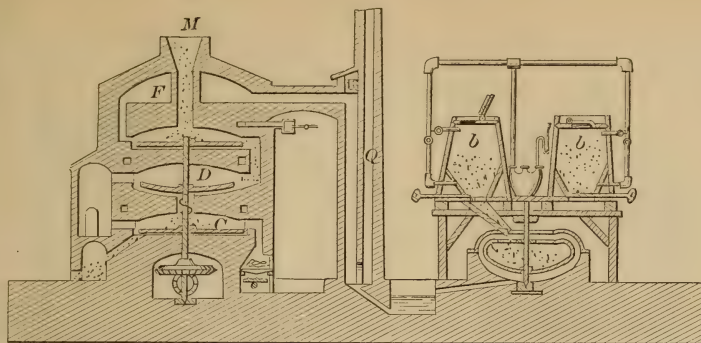
75292—J. Moulton—Elastic Rolls.



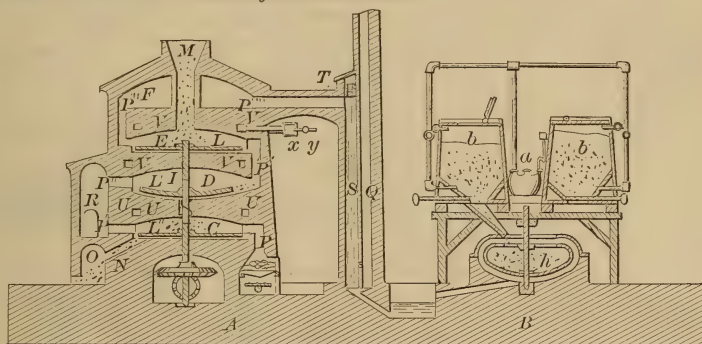
75290—L. Monroe—Rack for Carding Engines.



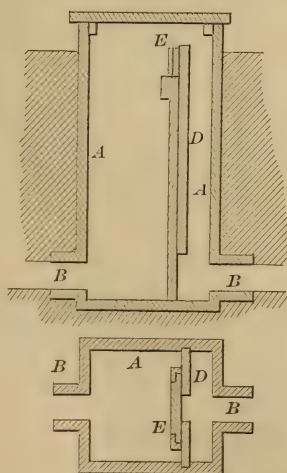
75293—A. Ott—*Extracting Precious Metals from Ores.*



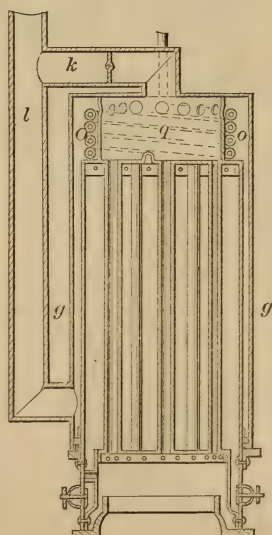
75294—A. Ott—*For Extracting Precious Metals.*



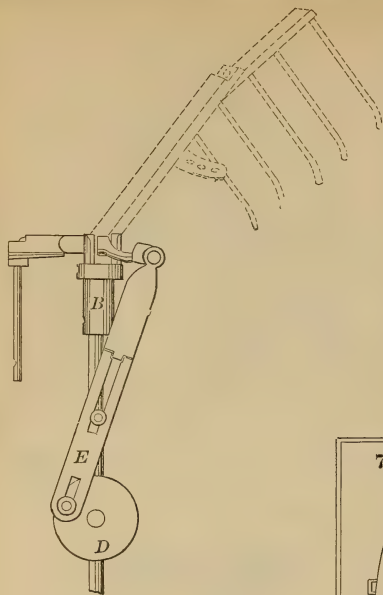
75295—D. A. Parks—*Penstock for Underground Drains.*



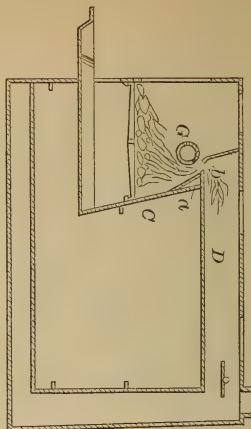
75296—P. Quinn—*Steam Generator.*



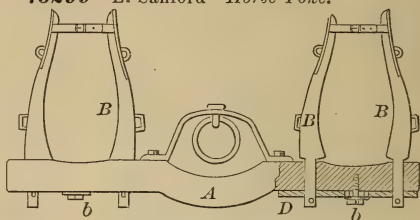
75297—O. Redmond—Harvester Rake.



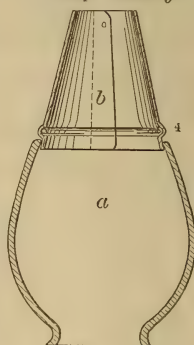
75300—G. Schreyer—Furnace.



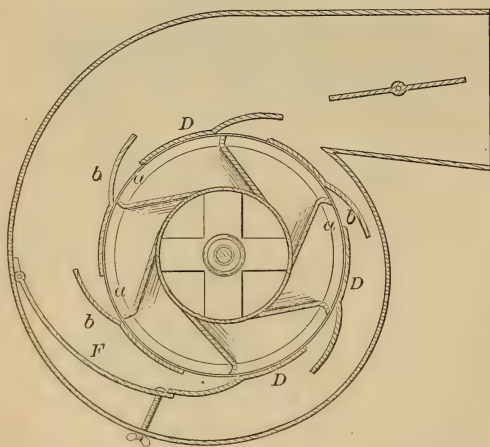
75299—E. Sanford—Horse Yoke.



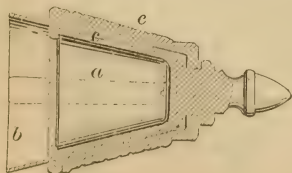
75302—F. I. Seymour—Lamp Chimney.



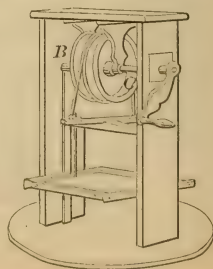
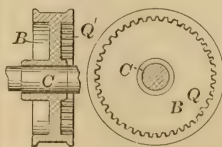
75298—T. Rose—Scroll for Water Wheels.



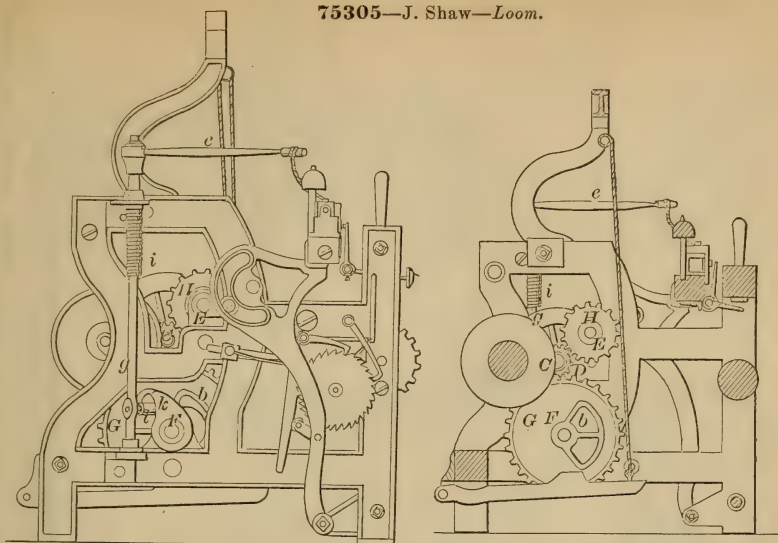
75303—F. I. Seymour—Clamp for Forming Sheet Metal Cones.



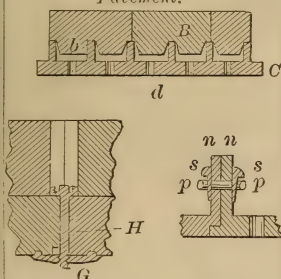
75304—H. F. Shaw—Differential Gear Power Machine.



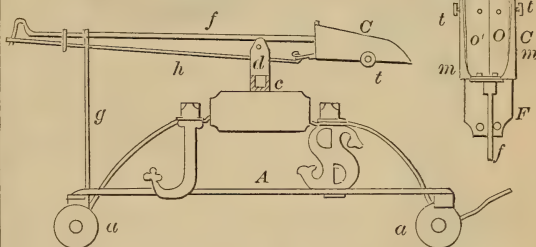
75305—J. Shaw—Loom.



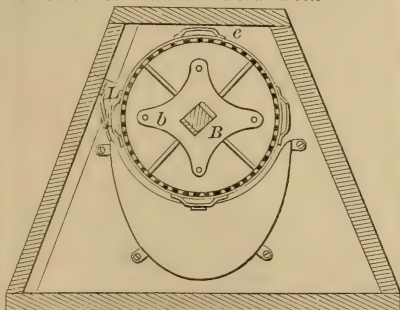
75309—C. W. Stafford—
Pavement.



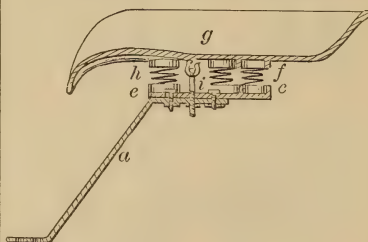
75308—Snediker & Bailey—For Charging
Gas Retorts.



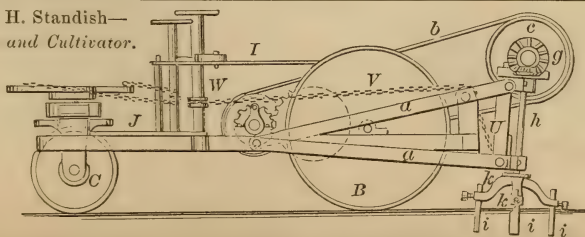
75307—S. A. Smith—Flour Bolt.

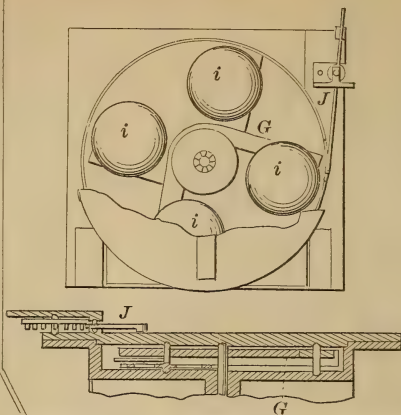
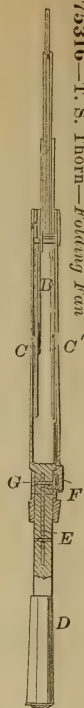
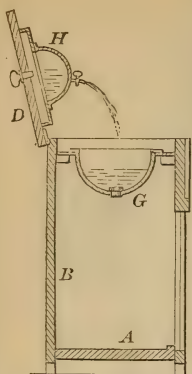
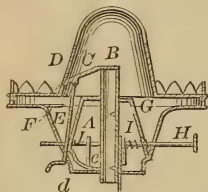
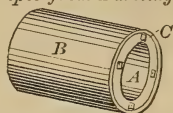
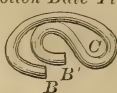
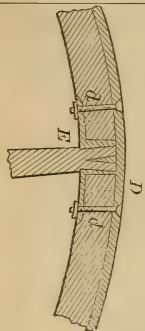
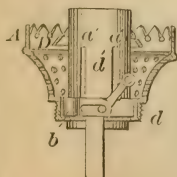
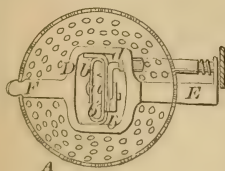
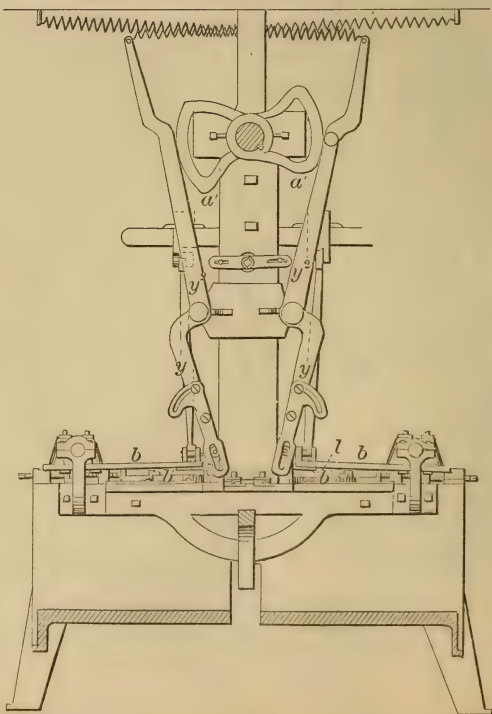


75306—E. A. Smith—Harvester Seat.

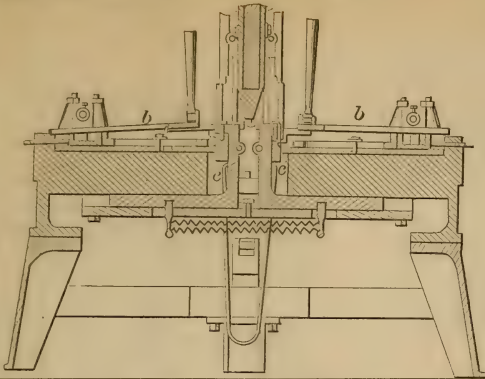


75310—P. H. Standish—
Steam Plow and Cultivator.

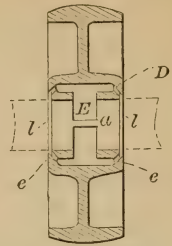


75313—C. Stein—*Fluid Meter.*75316—T. S. Thorn—*Folding Pan.*75311—A. Stankovitch—*Wash Stand.*75317—E. J. Toof—*Lamp Extinguisher.*75315—R. H. Smith—*For Preventing Water Pipes from Bursting.*75319—W. Trowbridge—*Cotton Bale Tie.*75314—J. Switzer—*Carriage Wheel.*75318—E. J. Toof—*Wick Regulator.*75320—Van Gieson & Crooke—*For Making Butt Hinges.*

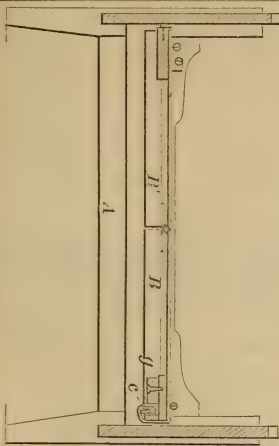
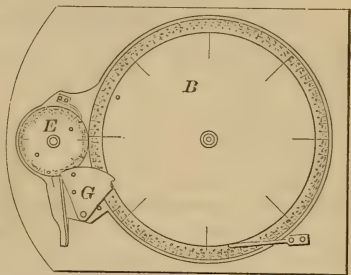
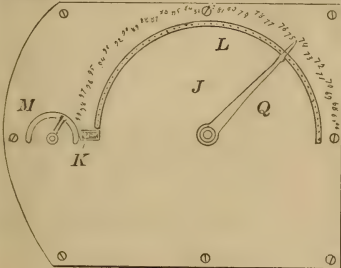
75320—Continued.



75323—D. M. Weston—Self-Oiling Hub for Pulleys, &c.

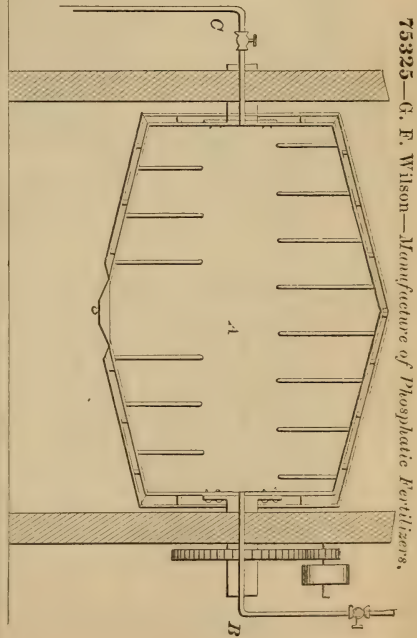
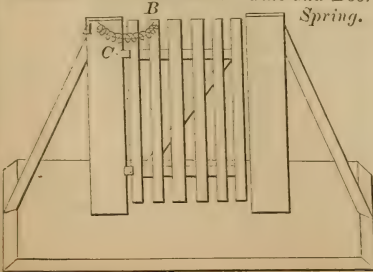


75322—C. H. Webb—Adding Machine



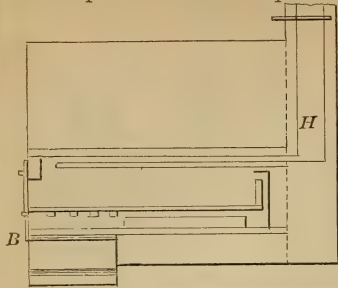
75321—H. B. Walbridge—Bed Bottom.

75324—B. F. Whitaker—Gate and Door Spring.

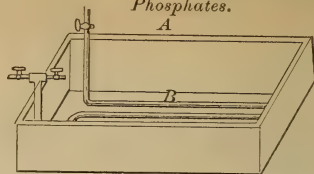


75325—G. F. Wilson—Manufacture of Phosphatic Fertilizers.

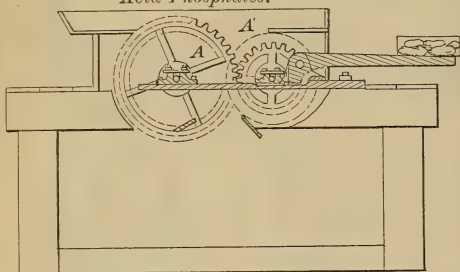
75326—G. F. Wilson—*Manufacture of Phosphatic Acid and Phosphates.*



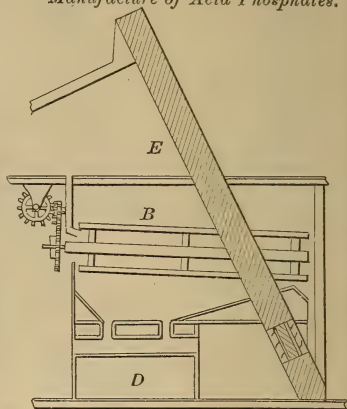
75327—G. F. Wilson—*Manufacture of Acid Phosphates.*



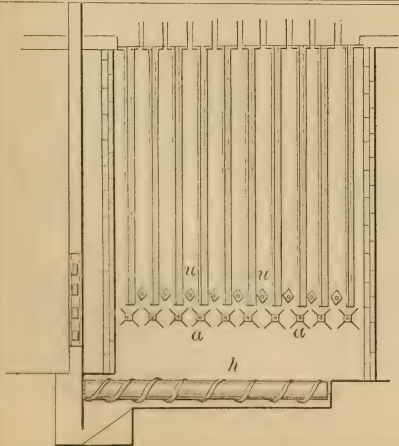
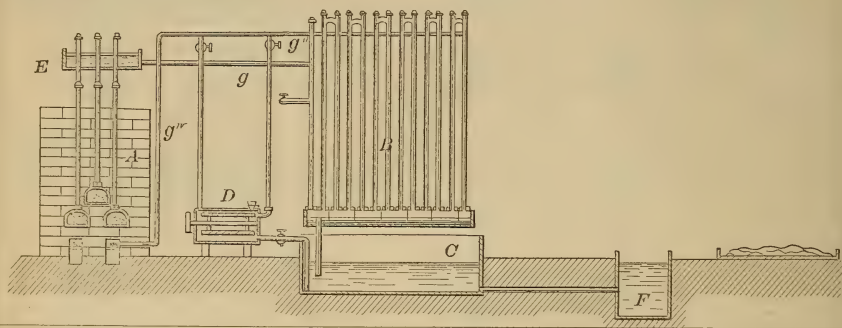
75328—G. F. Wilson—*Manufacture of Acid Phosphates.*



75331—G. F. Wilson—*For the Manufacture of Acid Phosphates.*

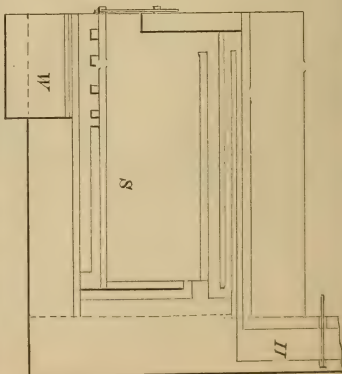


75329—G. F. Wilson—*Preparing Bones for the Manufacture of Acid Phosphates.*

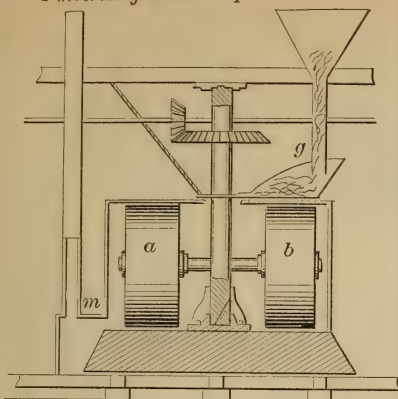


75330—G. F. Wilson—*Drying Acid Phosphates.*

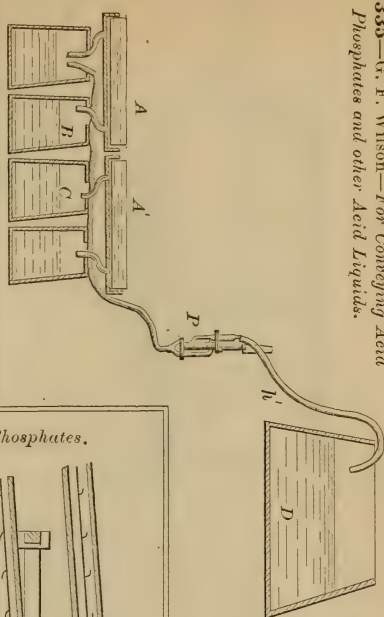
75332—G. F. Wilson—*For the Manufacture of Acid Phosphates.*



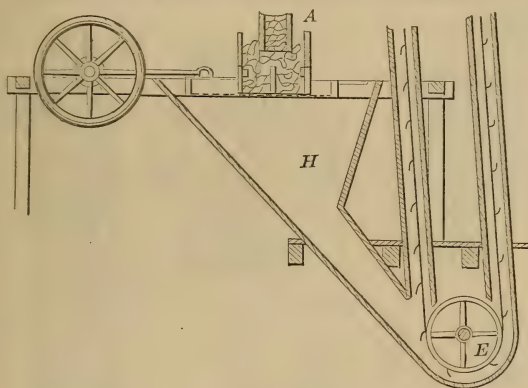
75333—G. F. Wilson—Grinding and Pulverizing Acid Phosphates.



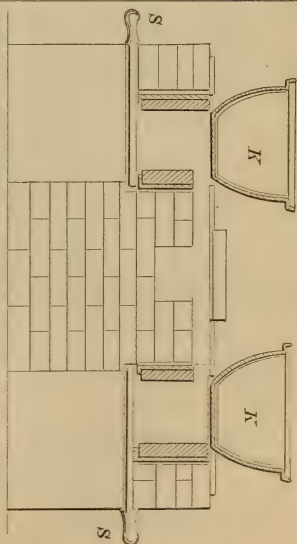
75335—G. F. Wilson—For Conveying Acid Phosphates and other Acid Liquids.



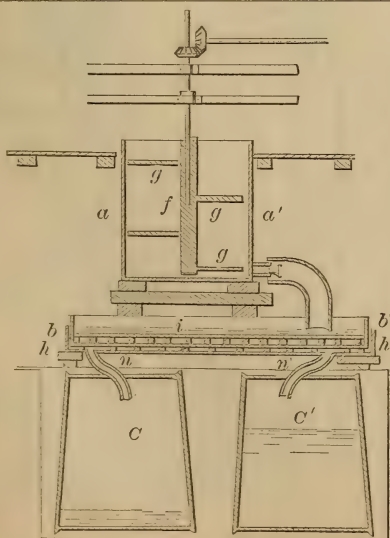
75334—G. F. Wilson—Granulating Acid Phosphates.

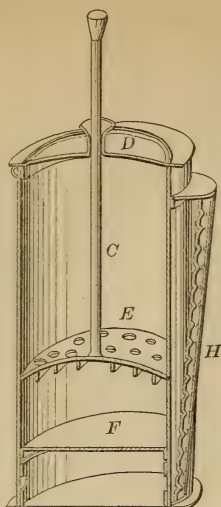


75339—Wilson & Horsford—For Concentrating Acid Phosphate of Lime.



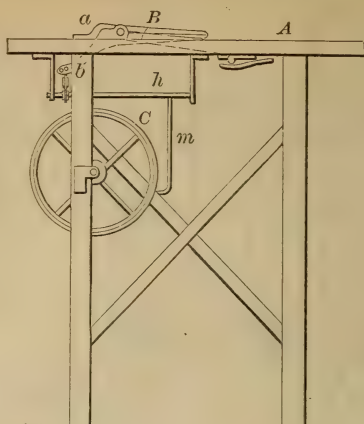
75336—Wilson & Horsford—Manufacture of Phosphates and Extracting Phosphoric Acid from Bones.



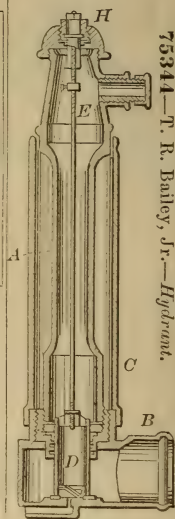
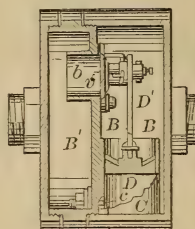
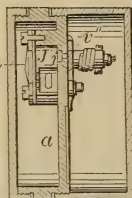
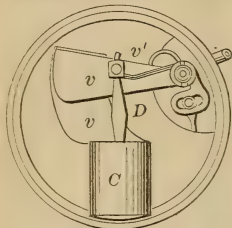


75340—S. C. Wilson—Egg Beater.

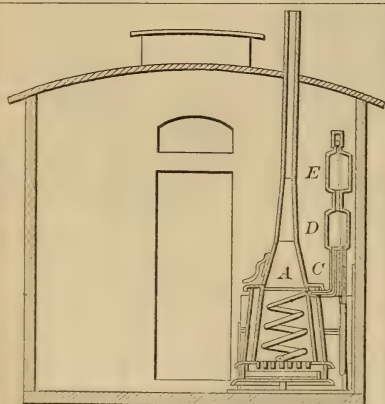
75341—A. Allen—For Cutting Rags.



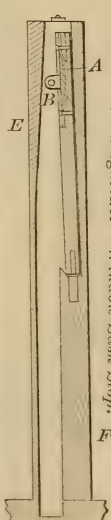
75342—L. Allen—Fluid Meter.



75344—T. R. Bailey, Jr.—Hydrant.

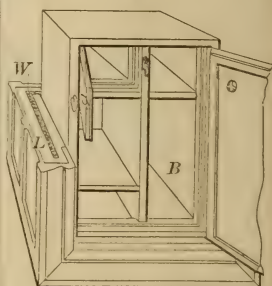


75345—W. C. Baker—Railroad Car Heater.



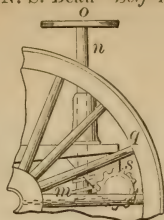
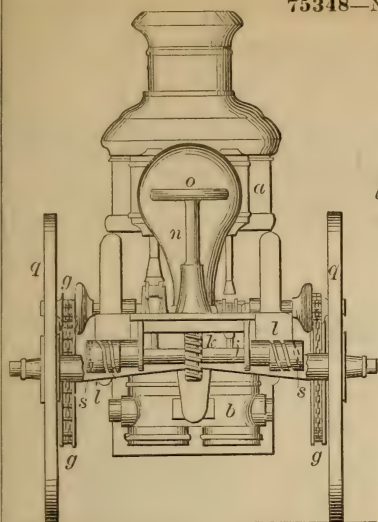
75347—F. Baumgartner—Window Sash Stop.

75346—R. A. Ballou—Fireproof Safe.

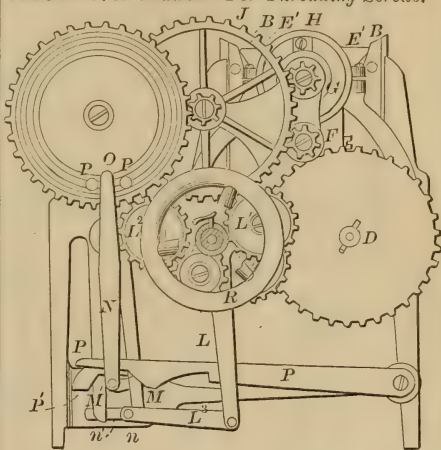


75343—E. A. & A. C. Apgar—Map and Chart Holder.

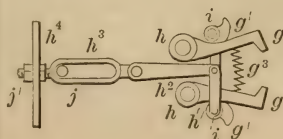
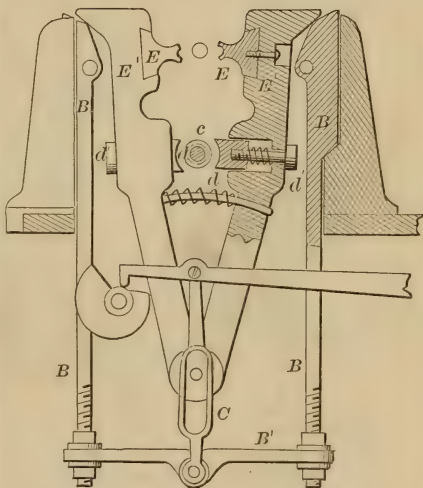
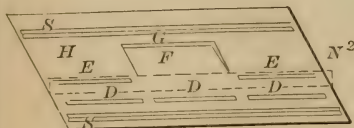
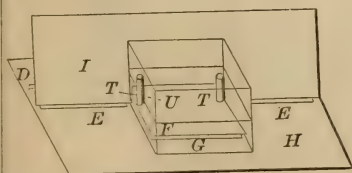
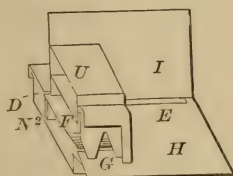
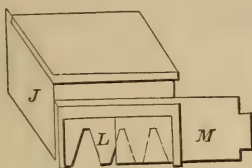
75348—N. S. Bean—*Self-Propelling Engine.*



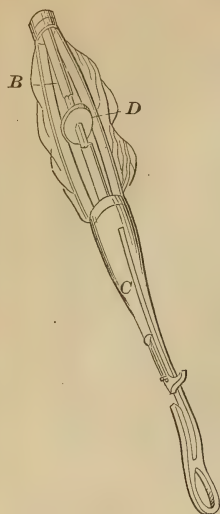
75350—J. A. Bidwell—*For Threading Screws.*



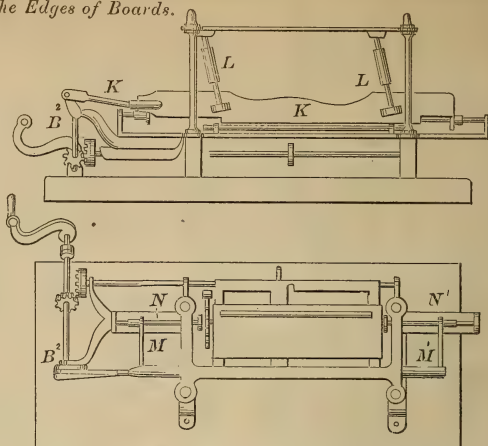
75349—E. Beard—*Beehive Portal*.



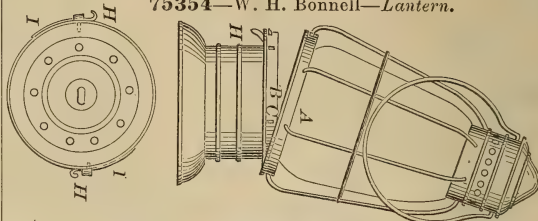
75351—J. S. Black—*Lamp Chimney Cleaner.*



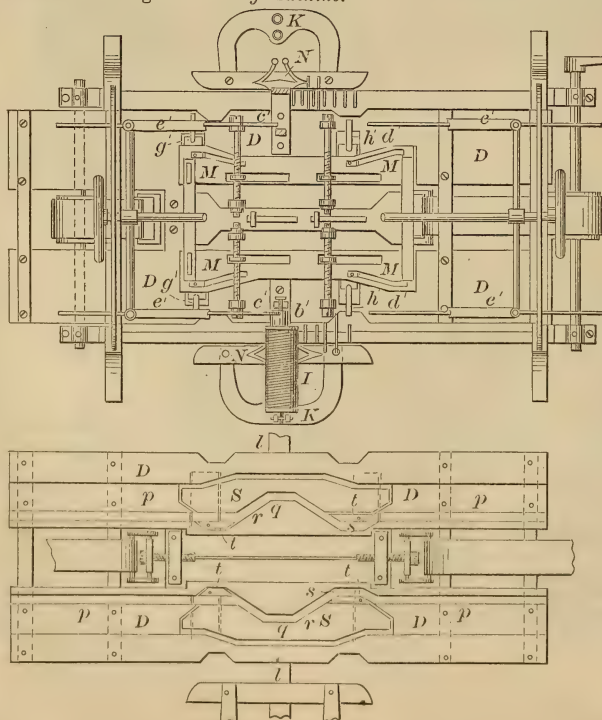
75352—Blinn, Alvord & Brewer—*For Cutting Hoops from the Edges of Boards.*



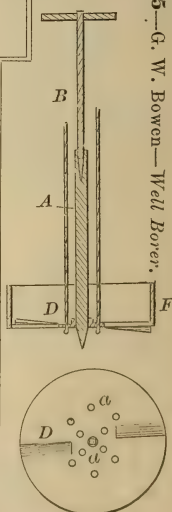
75354—W. H. Bonnell—*Lantern.*



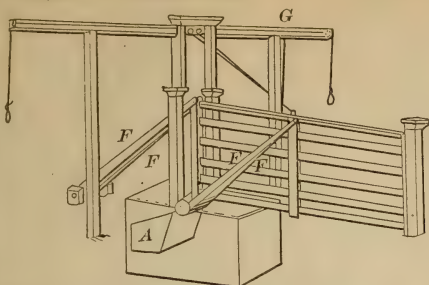
75353—H. Bogel—*Knitting Machine.*



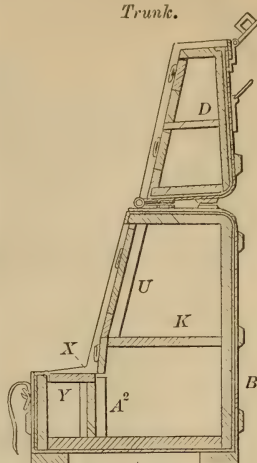
75355—G. W. Bowen—*Well Borer.*



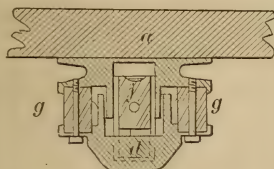
75356—J. Bowers—*Gate.*



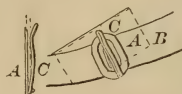
75358—J. H. Burnett, Jr.—*Trunk.*



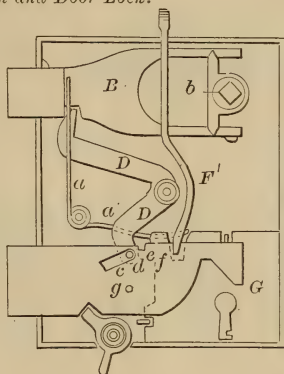
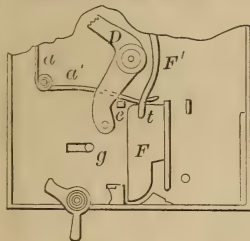
75357—A. Bridges—*Car Truck.*



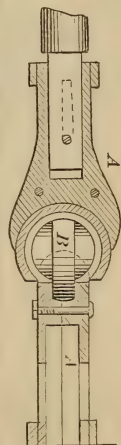
75359—J. N. Burton—*Hat Buckle.*



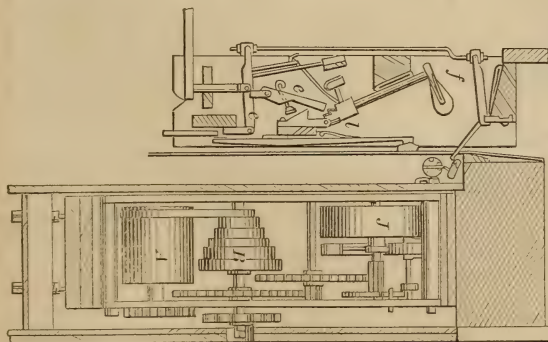
75360—H. W. Busse—*Knob Latch and Door Lock.*



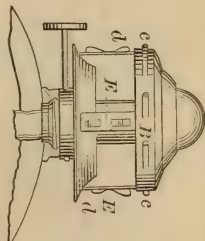
75361—Butts & Stone—*Universal Joint.*

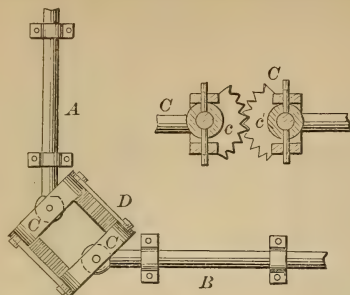
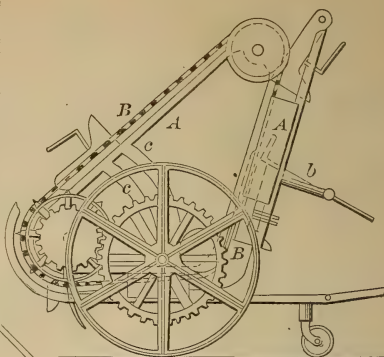
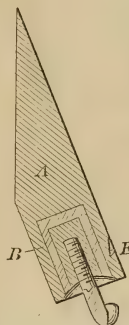
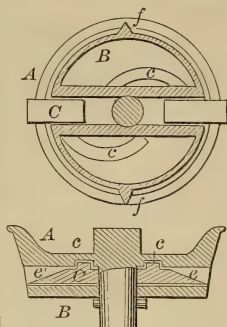
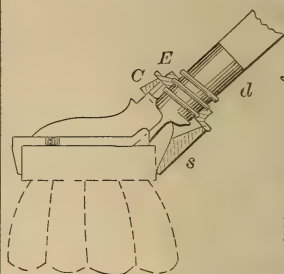
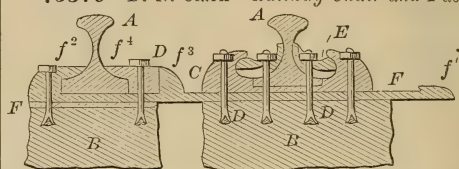
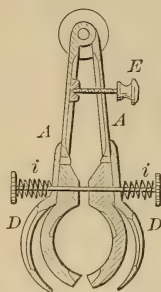
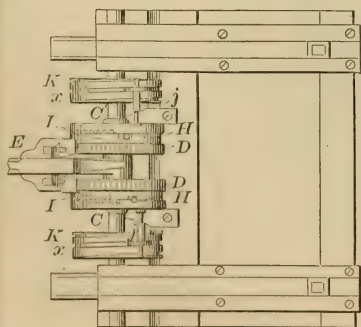
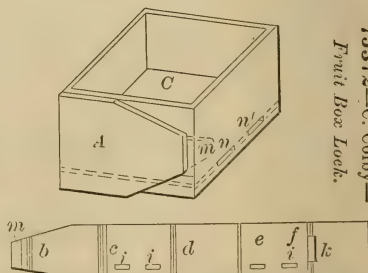
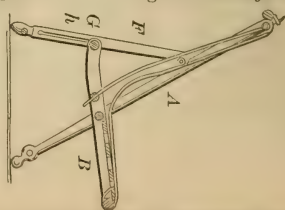


75362—Caldera & Montu—*Piano Forte.*

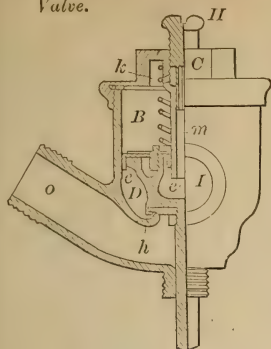


75363—G. J. Capewell—*Lamp Burner.*

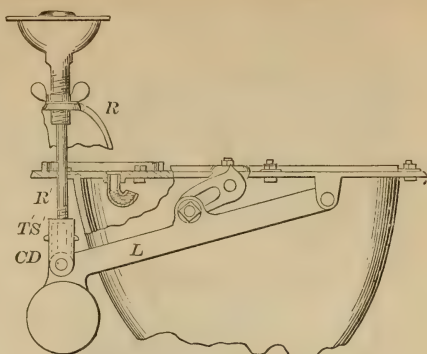


75364—J. M. Case—*Angular Shaft Coupling.*75366—S. B. Castle—*Elevator.*75365—A. A. Castle—*Insulator.*75367—Chappell & Pettit—*Bug.*75369—C. B. Clark—*Clamp for Scrub Brushes.*75370—D. N. Clark—*Railway Chair and Fastening.*75368—C. Christian—*Hand Corn Sheller.*75371—T. L. Clark—*Head Block.*75372—C. Colby—*Fruit Box Lock.*75373—C. O. Collignon—*Cottage Chair.*

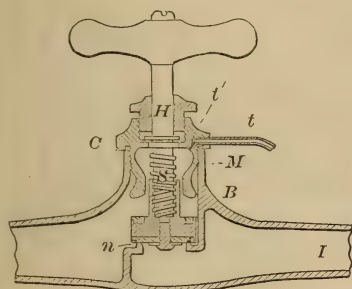
75374—W. S. Cooper—Water Closet Valve.



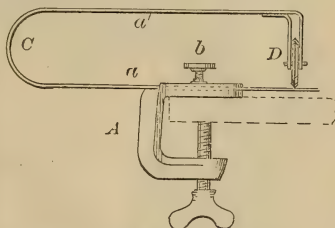
75375—W. S. Cooper—Water Closet.



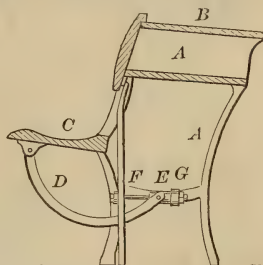
75376—W. S. Cooper—Valve Cock.



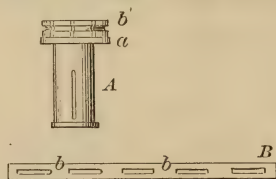
75378—W. J. Crane—Cloth Creaser.



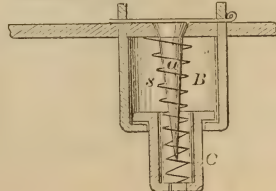
75379—R. Cruikshank—Desk and Seat.



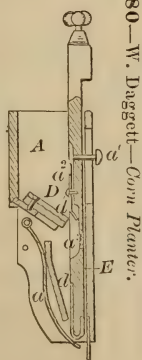
75381—A. G. Davis—Umbrella Runner.



75382—Davis & Cramer—Cribbing Preventer.

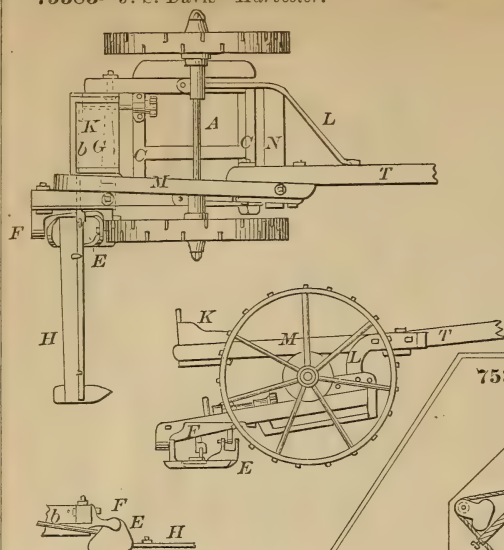


75377—J. S. Cox—Refrigerator Cabinet.

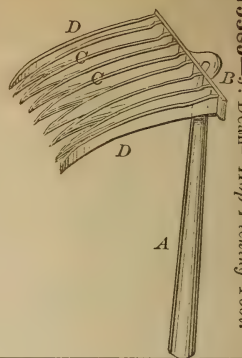


75380—W. Daggett—Corn Planter.

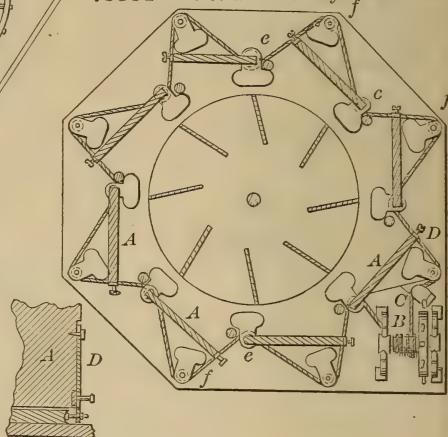
75383—J. S. Davis—Harvester.



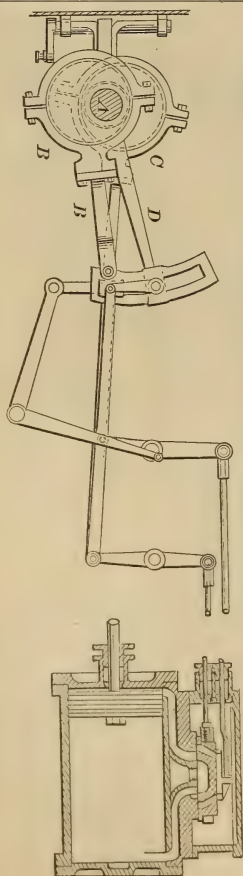
75385—J. Dean—Hop Picking Tool.



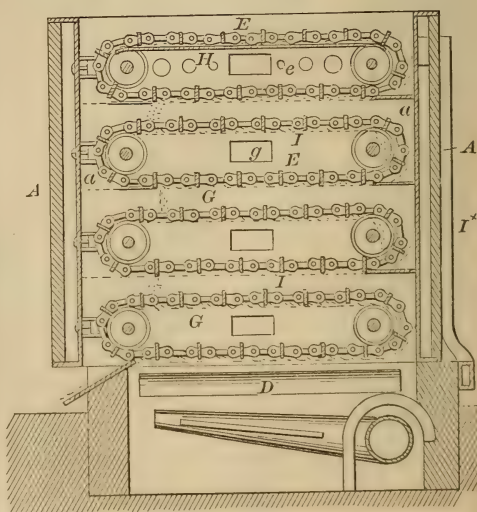
75384—W. C. & P. B. Day—Wind Mill.



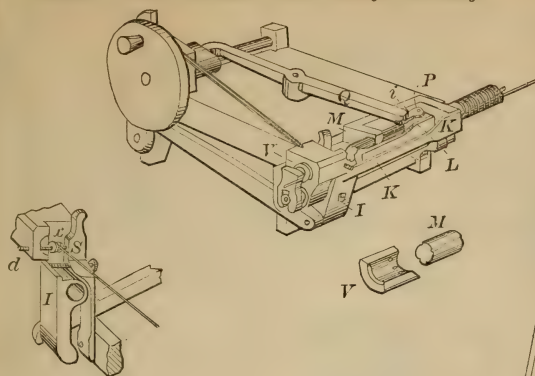
75387—E. N. Dickerson—Steam Engine Valve Gear.



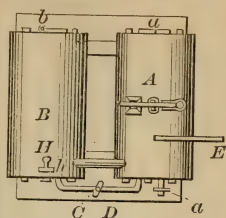
75386—J. D. Bary—Grain Dryer.



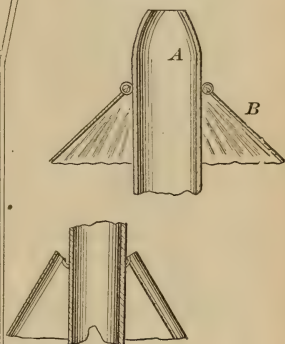
75388—T. A. Dickinson—Card Setting Machinery.



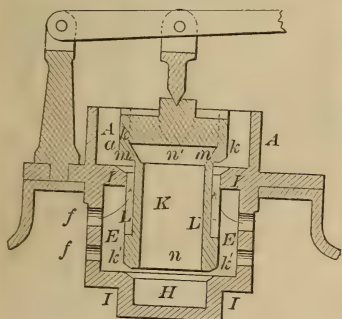
75391—C. Doty—For Tanning in Vacuo.



75390—T. B. Doolittle—Lamp Shade.



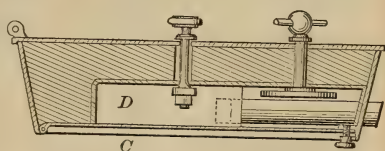
75392—S. B. Dougherty—Safety Valve.



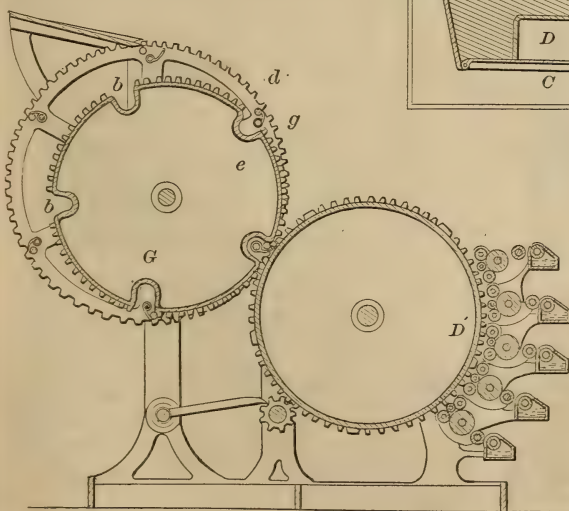
75393—Dwyer, Sweetland & Dwyer—Imitating Cluster Jewelry.



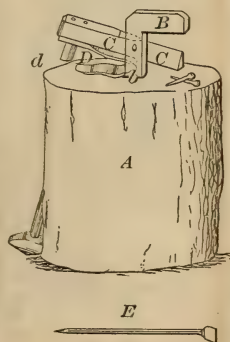
75389—W. B. Dodds—Fireproof Safe Door.



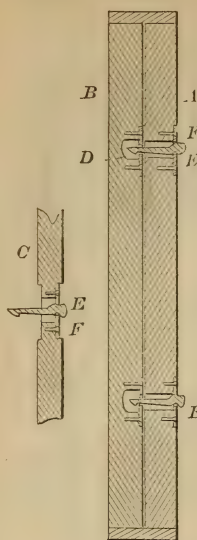
75394—A. A. Dunk—Printing Press.



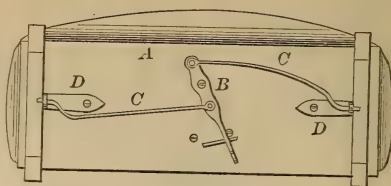
75395—V. A. Dunn—Anvil Cutter.



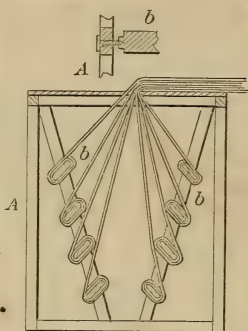
75396—Dyer & McVaugh—Sash Braid Fastener.



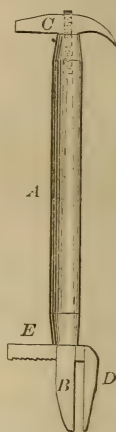
75397—W. A. Eddy—Vehicle Seat.



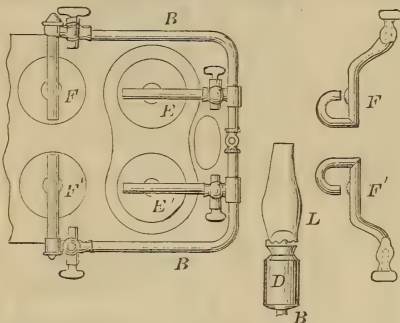
75398—H. Eldridge—Boots and Shoes.



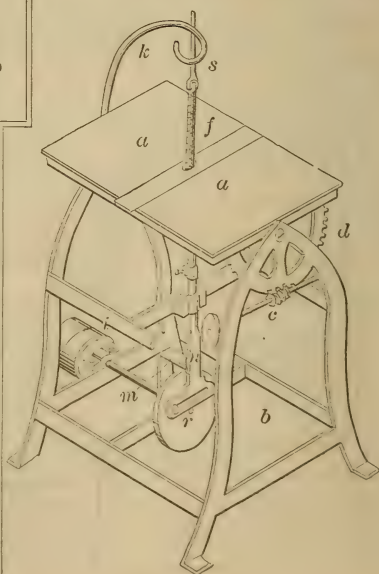
75399—J. J. Ellis—Wrench.



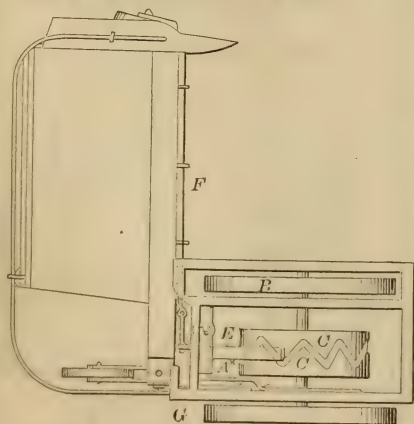
75400—D. L. Emerson—Petroleum or Gas Stove.



75402—M. Fiedler—Filing Machine.



75401—E. W. Fairman—Harvester.



75403—C. Ford—Corn Husker.

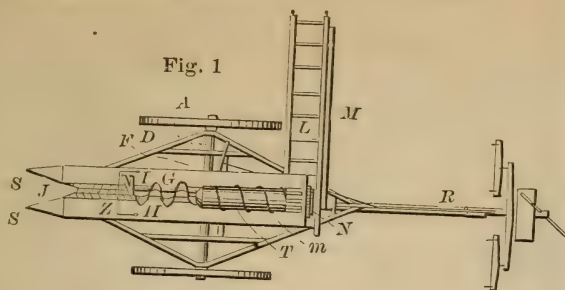


Fig. 2

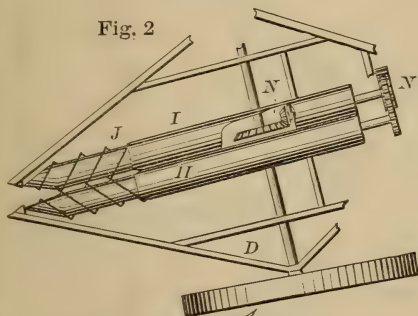
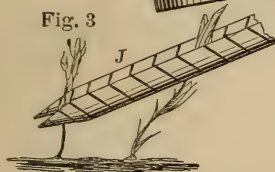
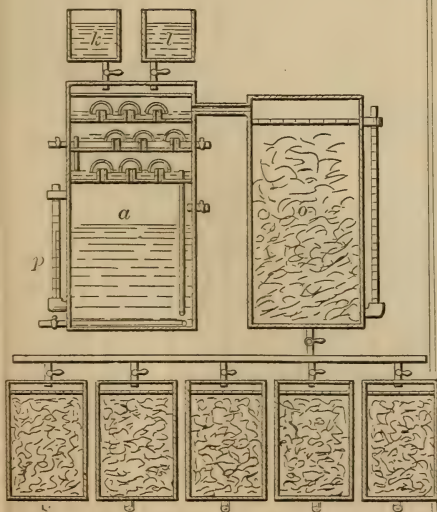


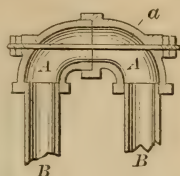
Fig. 3



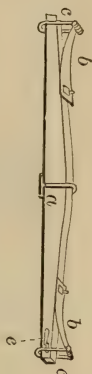
75404—A. Foubert—Manufacture of Vinegar.



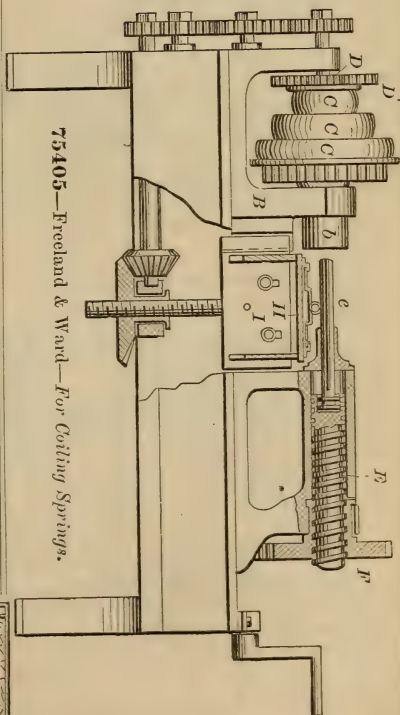
75407—Garvin & Pettibone—Pipe Joint.



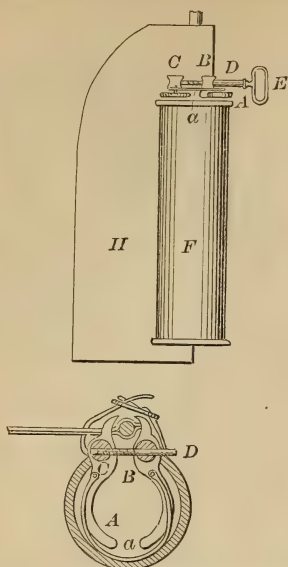
75408—G. & W. Gibbs—Singletree.



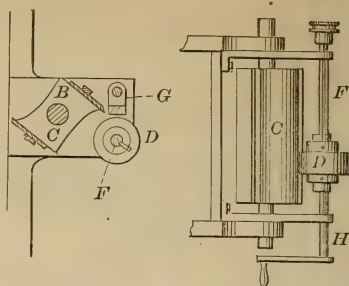
75405—Freeland & Ward—For Coiling Springs.



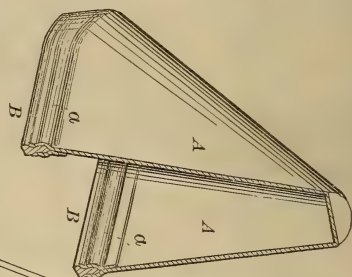
75409—F. M. Gifford—Whip Lock.



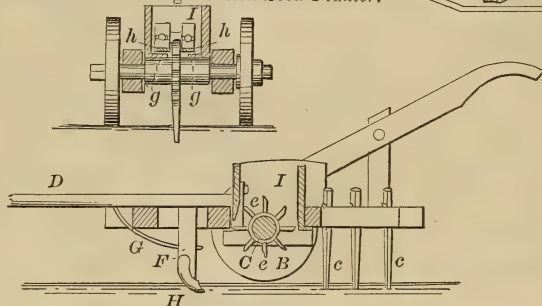
75411—J. Grant—Grinder for Knives for Planters.



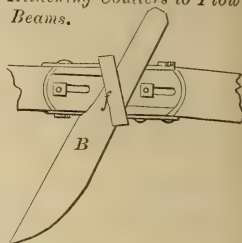
75412—J. G. Hadfield—Surgical Cup.



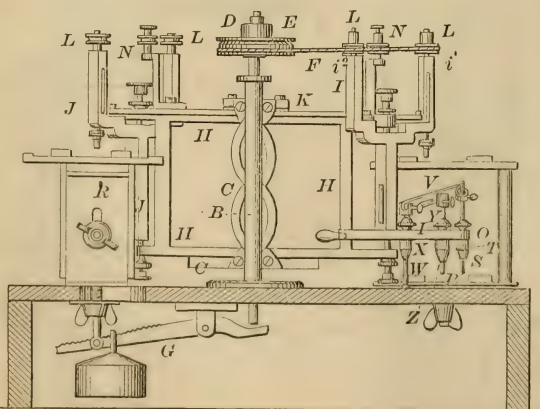
75410—A. J. Going—Cotton Seed Planter.



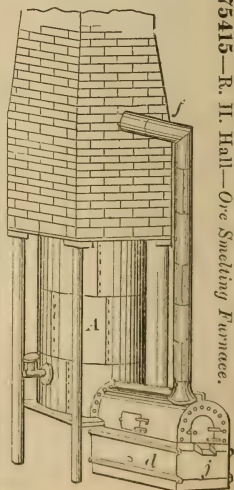
75414—J. H. Hall—Attaching Coulters to Plow Beams.



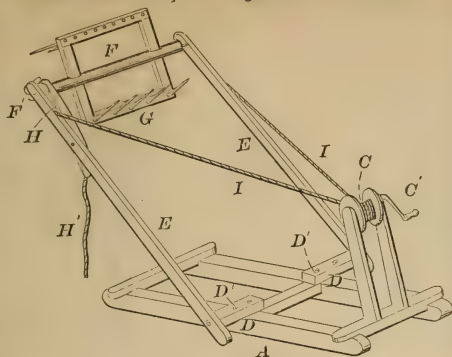
75413—I. Hall—For Carving Wood.



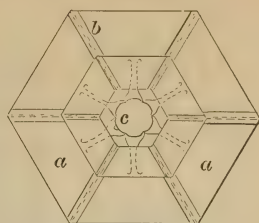
75415—R. H. Hall—Ore Smelting Furnace.



75416—J. Harper—Hay Raker and Loader.



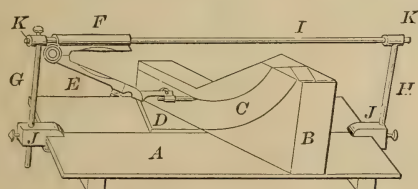
75418—H. M. Hartshorn—Lamp Shade.



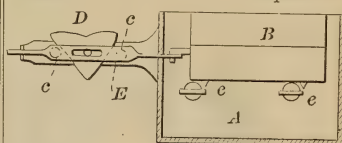
75422—D. K. Hickok—Clothes Pin.



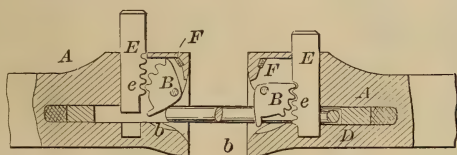
75423—G. Hoover—Trammel for Stair Rails.



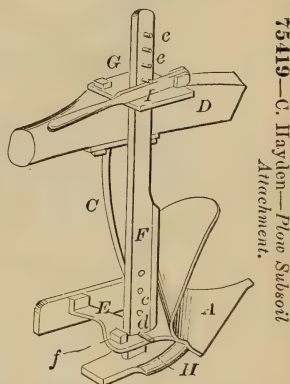
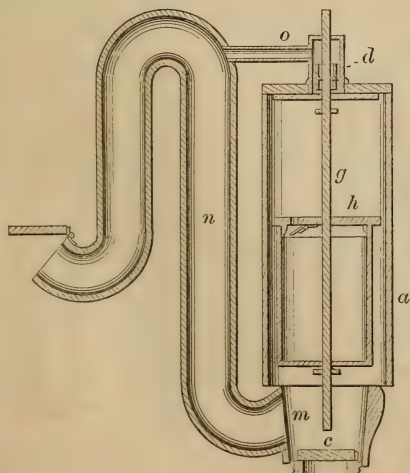
75417—S. Harris—Grain Separator.



75420—G. W. Haynie—Car Coupling.

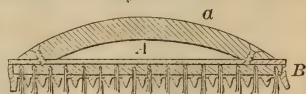


75424—W. L. Horne—Steam Water Elevator.

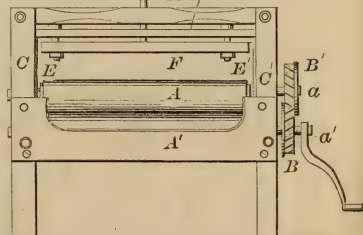


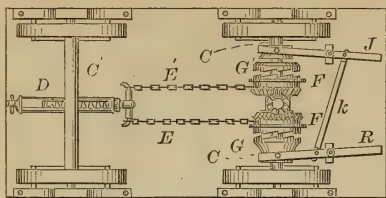
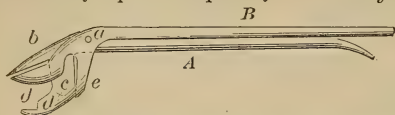
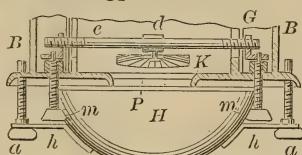
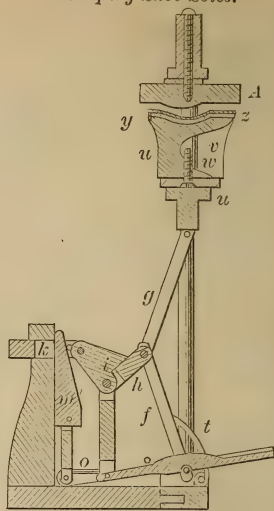
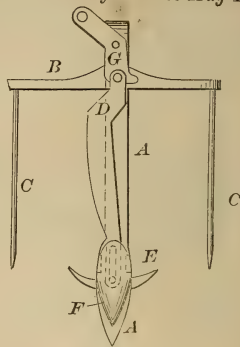
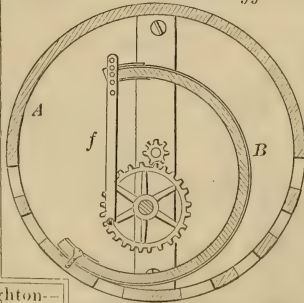
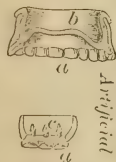
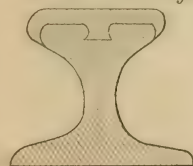
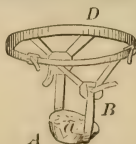
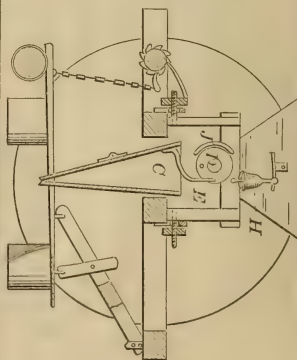
75419—C. Hayden—Plow Subsoil Attachment.

75421—D. E. Hayward—Scrub Brush.

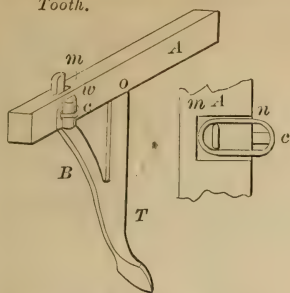


75425—R. B. Hugunin—Clothes Wringer.

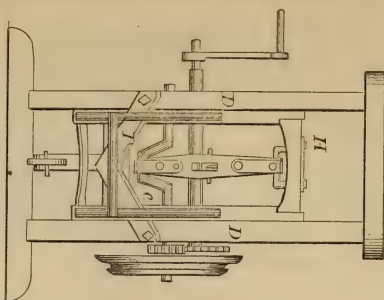


75426—C. S. Hunt—*Stopping and Starting Cars.***75427**—Hyslop & Phillips—*Lifter and Tongs.***75429**—D. Kellogg—*Gas Heater.***75428**—J. B. Johnson—*For Shaping Shoe Soles.***75430**—G. Kinney—*Horse Hay Fork.***75432**—A. E. Lazell—*Hygrometer.***75431**—A. A. Knowlton—*Artificial Teeth.***75433**—W. Leighton—*Railroad Rail Fagot.***75434**—H. W. Libbey—*Catamenial Sack.***75435**—N. & M. Liddell—*Corn Planter.*

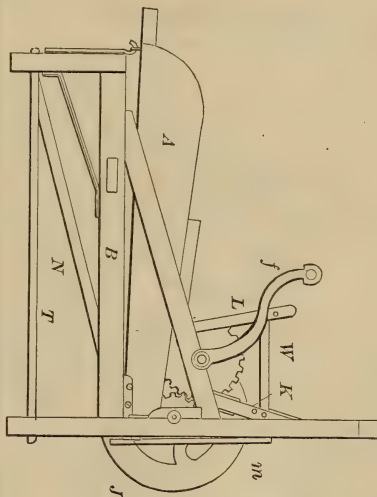
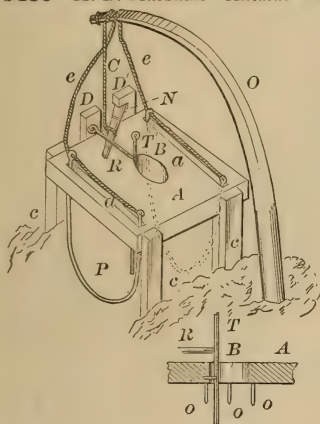
75436—Lowth & Howe—Cultivator
Tooth.



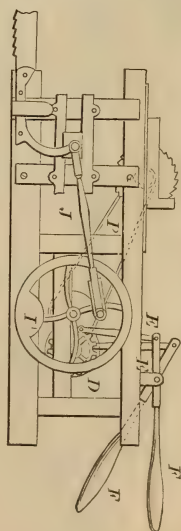
75437—C. A. Lundy—Straw Cutter.



75438—M. B. Marshall—Animal Trap.



75441—J. W. Maxey—Sawing Machine.



75440—W. W. Mathews—Trebettree.

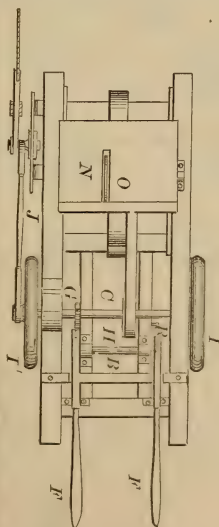
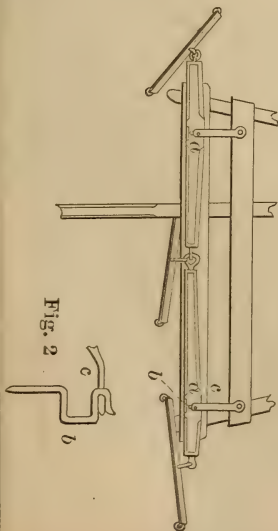
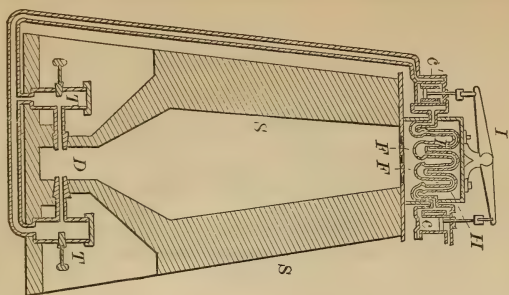
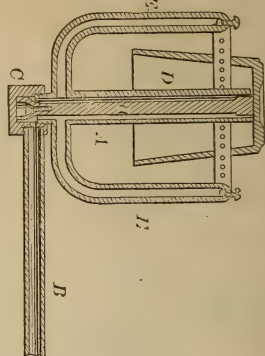
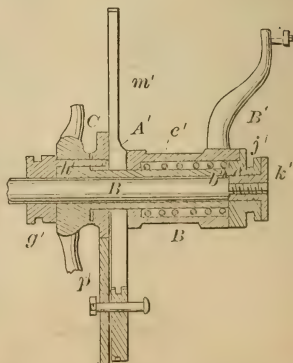
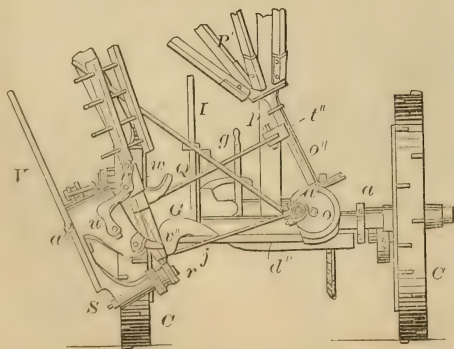
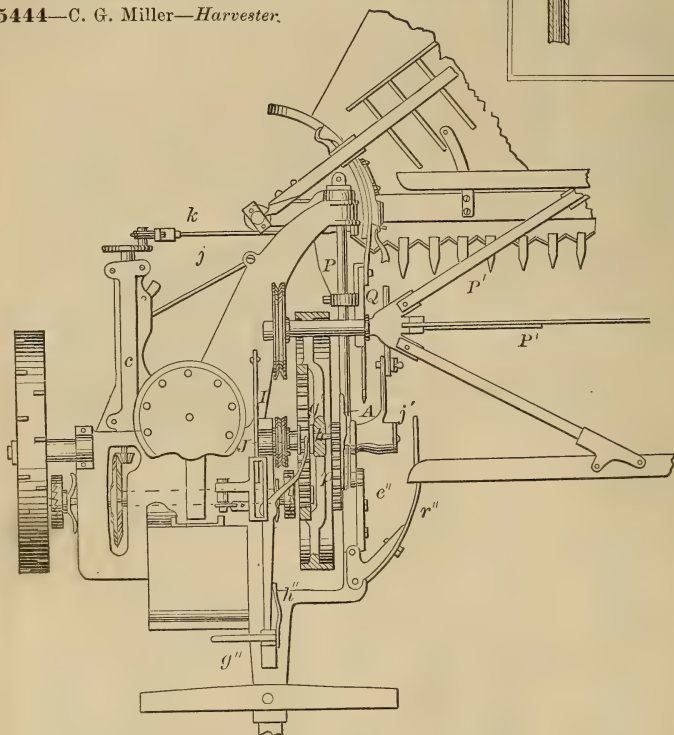
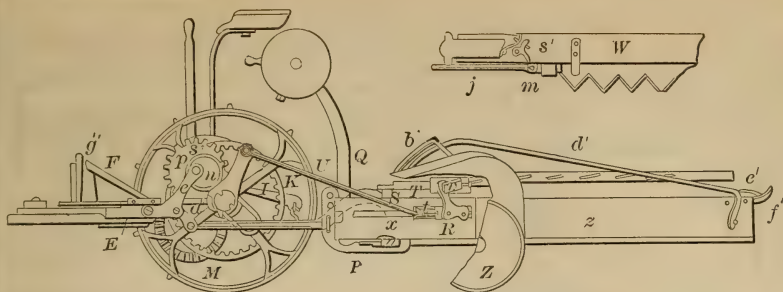


Fig. 2

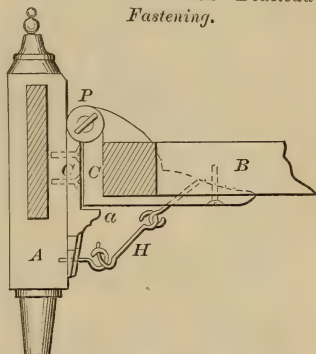


75442—T. McDowel—*Producing Hot Blast in Furnaces.*75443—J. P. Milburn—*Tumbler Washer.*75444—C. G. Miller—*Harvester.*

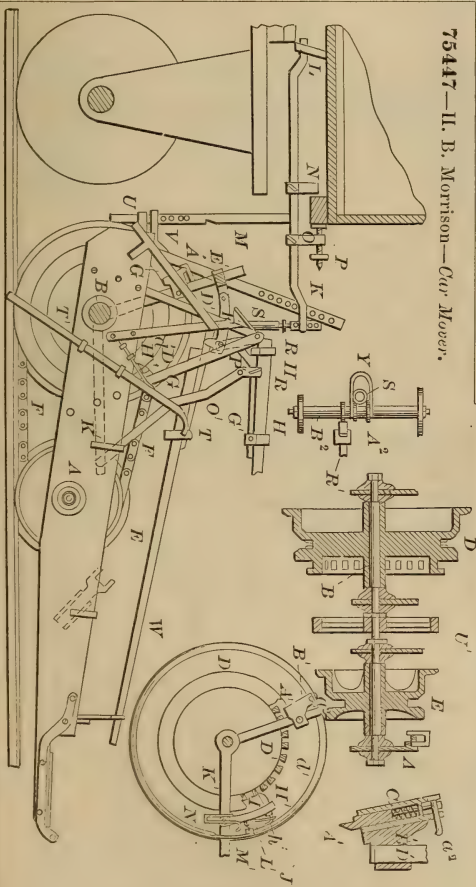
75444—Continued.



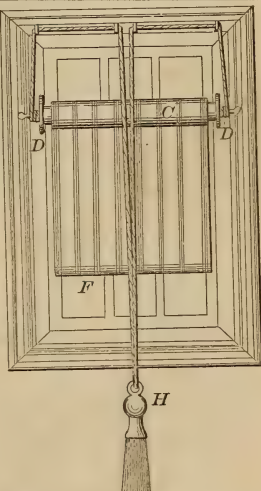
75445—J. E. Milliken—*Bedstead Fastening.*



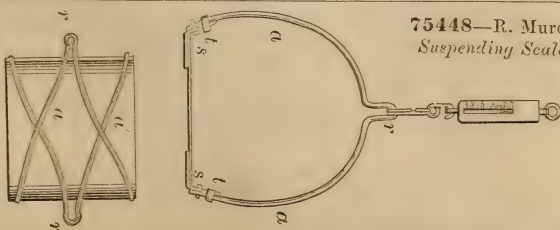
75447—L. B. Morrison—*Car Mower.*

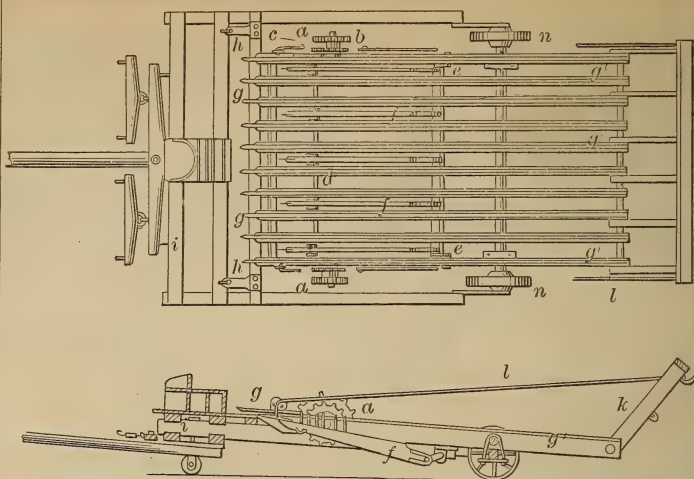
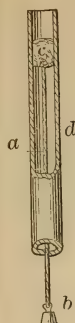
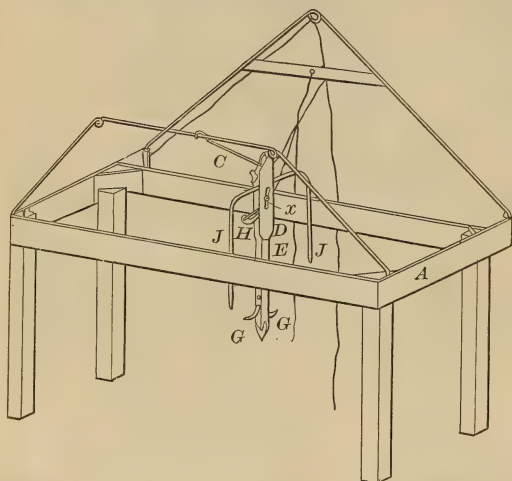
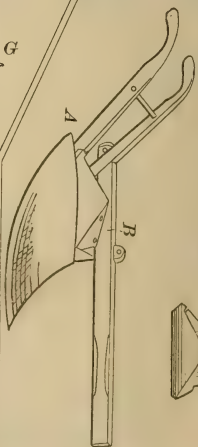
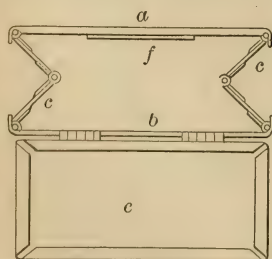
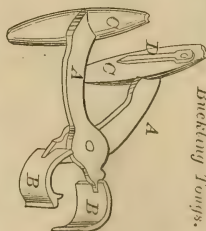
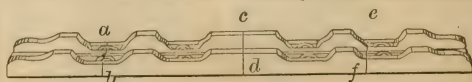


75446—J. B. Moore—*Window Shade Fixture.*

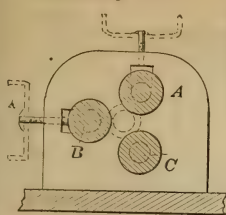


75448—R. Murdoch—*Suspending Scale Pan.*



75450—W. T. Nicholas—*Hay Raker and Loader.*75449—P. Naylor—*Trimming.*75452—S. Page—*Horse Hay Fork.*75454—I. T. Payne—*Auger.*75455—J. D. Peek—*Plow.*75451—P. H. Niles—*Lunch Box.*75453—W. P. Patton—*Skate Buckling Tongs.*75456—C. H. Perkins—*Forming Horse Shoe Blanks.*

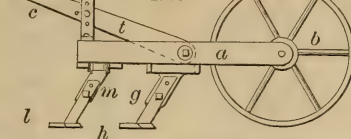
75457—W. P. Porter—
For Rolling Axles.



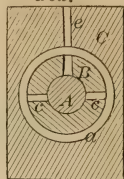
75458—A. W. Pratt—*Armlet Portmonnaie.*



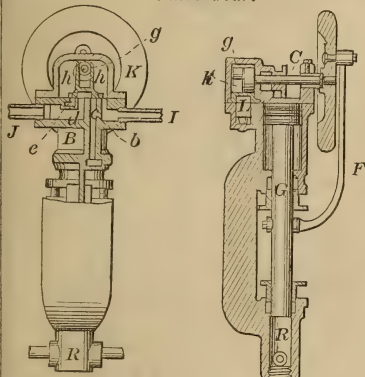
75460—E. D. & O. B. Reynolds—*Wheel Hoe.*



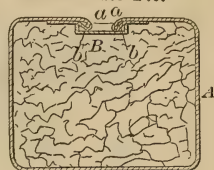
75465—Rowley & Poland—*Lubricating Box.*



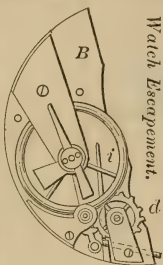
75459—Reaney & Cornell—*Steam Engine Valve Gear.*



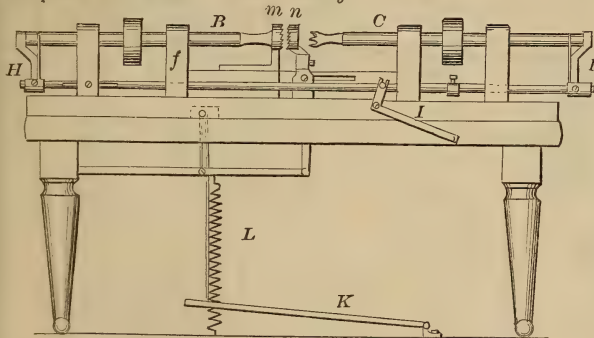
75461—E. S. Roberts—*Cotton Bale Tie.*



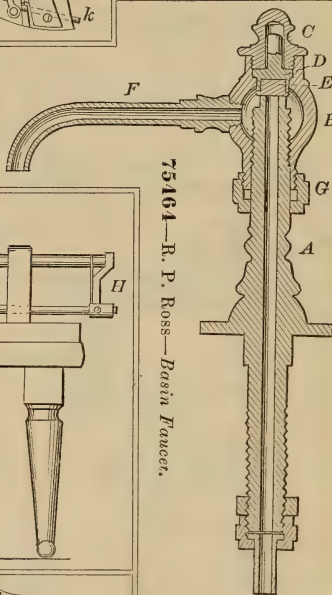
75463—G. F. Roskopf—*Watch Escapement.*



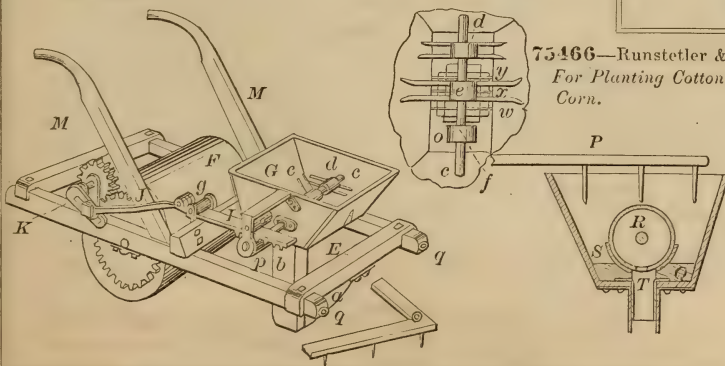
75462—D. C. Robie—*Button Turning Lathe.*

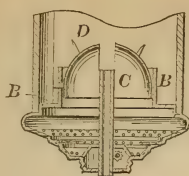
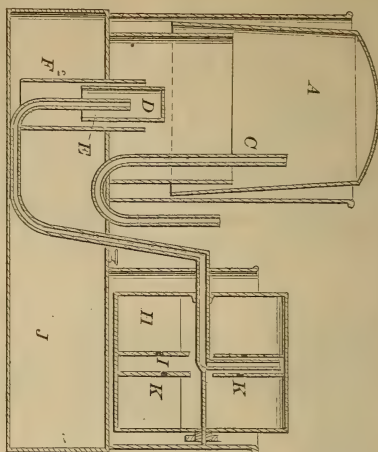
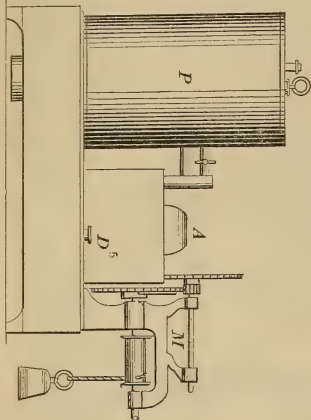
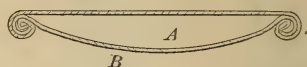
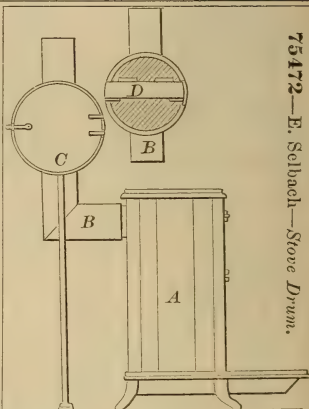
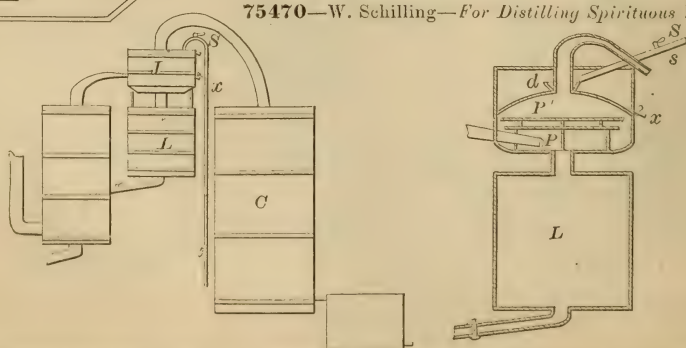


75464—R. P. Ross—*Brass Fencer.*

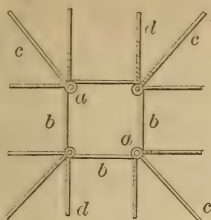


75466—Runstetler & Windeck—
For Planting Cotton Seed and Corn.

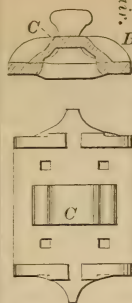


75467—L. L. Sagendorph—*Lamp.*75469—J. Sangster—*For Carburetted Air.*75468—J. Sangster—*For Carburetted Air.*75471—G. Scott—*Razor Strip Holder.*75472—E. Selbach—*Stove Drum.*75470—W. Schilling—*For Distilling Spirituous Liquors.*

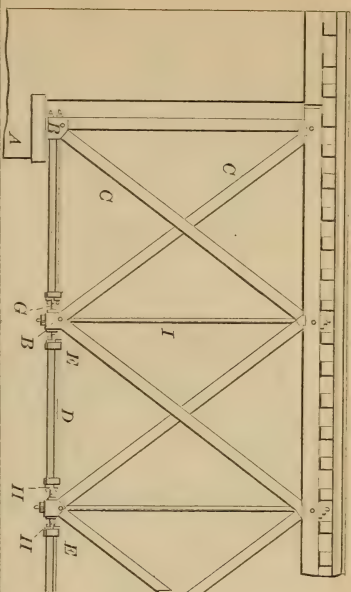
75474—Shoemaker & Phelps—Hop Vine Frame.



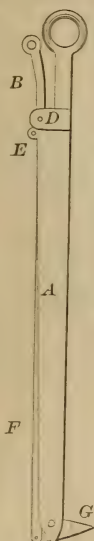
75475—W. S. Shotwell—Railroad Chute.



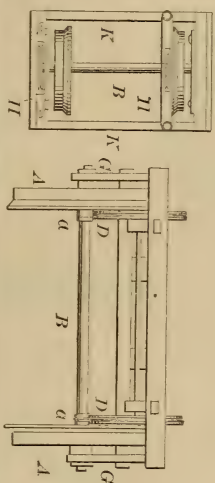
75477—F. H. Smith—Bridge.



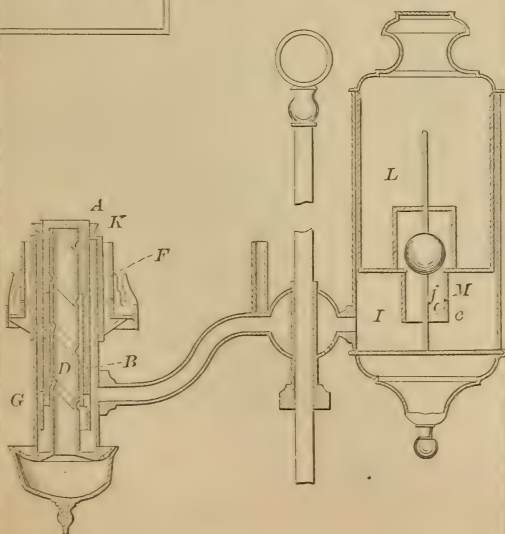
75481—H. B. Steele—Horse Hay Fork.



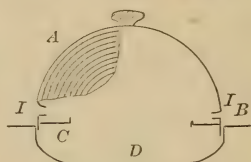
75476—W. S. Shotwell—Railway Truck.



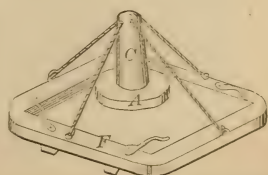
75479—W. H. Smith—Lamp.

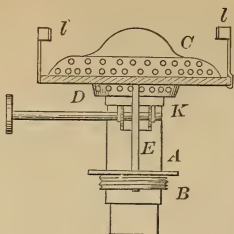
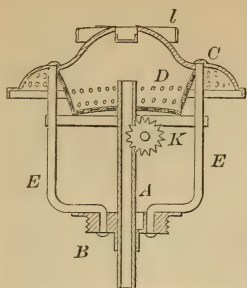
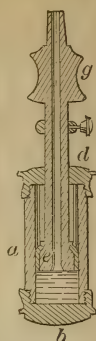
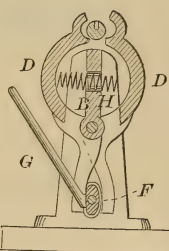


75480—A. Snyder—Fly Trap.

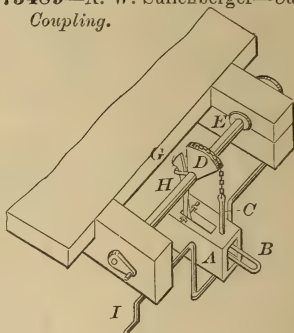
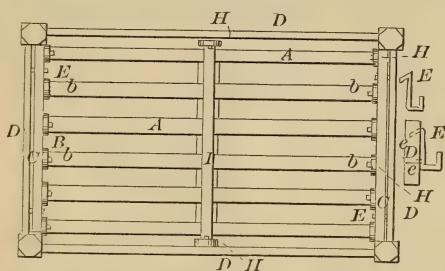
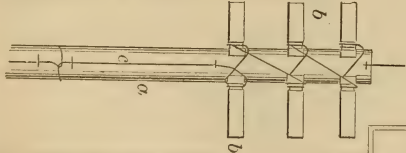
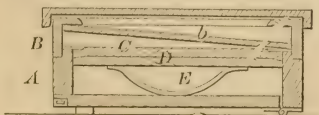
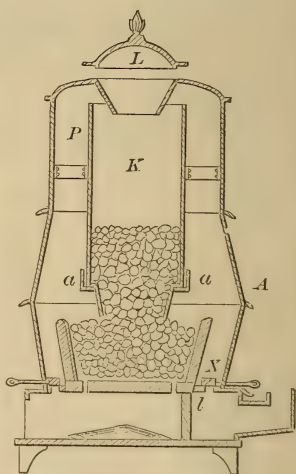
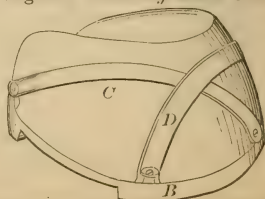


75482—J. Stehman—Photographic Printing Apparatus.

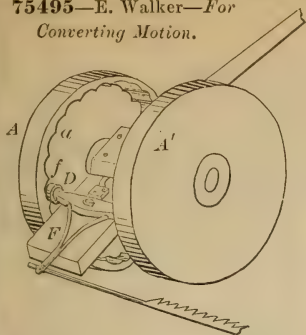


75483—C. St. John—*Lamp Burner.*75484—F. A. Stohmann—*Truss Pad.*75485—F. A. Stohmann—*Spring.*75486—H. & A. Stouffer—*Horse Hay Fork.*75487—O. W. Stow—*For Forming Heads on Sheet Metal Gutters.*

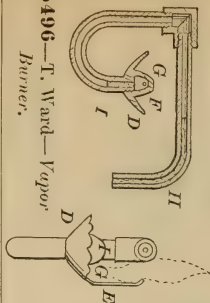
75488—E. E. Stubbs—

*Bolt Fastening.*75489—A. W. Sullenberger—*Car Coupling.*75490—R. Tattershall—*Spring Bed Bottom.*75492—C. F. Varley—*Telegraph Pole*75493—H. Vogel—*Photometer.*75491—Van Wormer & McGarvey—*Coal Stove.*75494—J. Wagner—*Attaching Horse Shoes.*

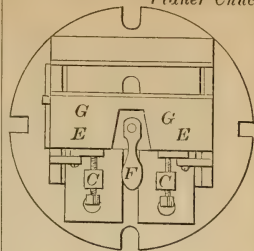
75495—E. Walker—*For
Converting Motion.*



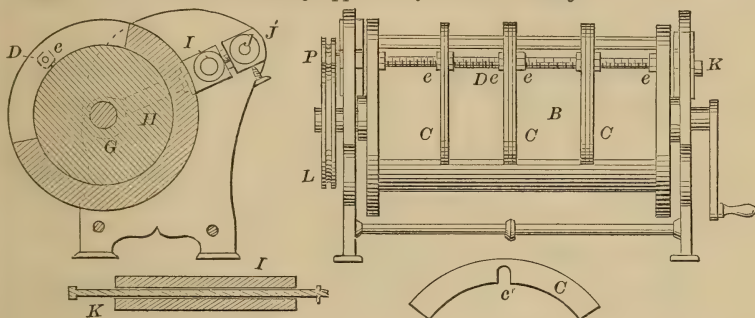
75496—T. Ward—*Vapor
Burner.*



75498—W. H. Warren—*Planer Chuck.*



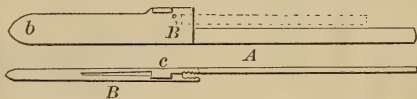
75499—L. B. Waterman—*Inking Apparatus for Color Printing.*



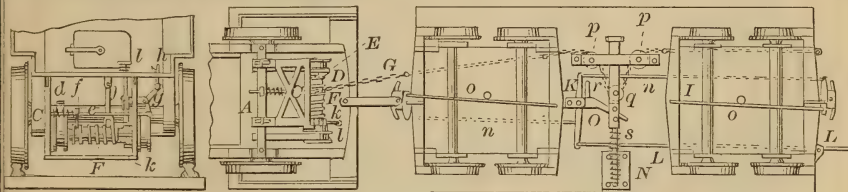
75502—T. B. White—*Bridge.*



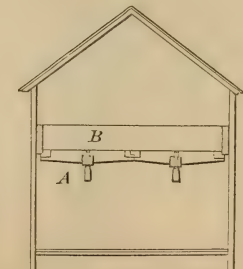
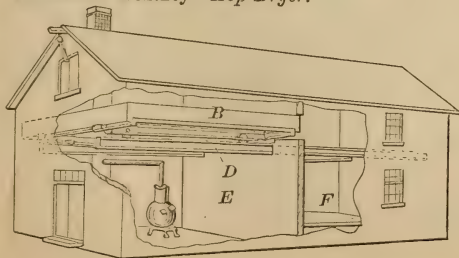
75500—G. A. Watkins—*For Making Chair Seats.*



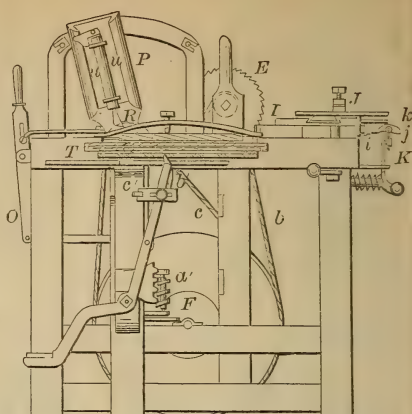
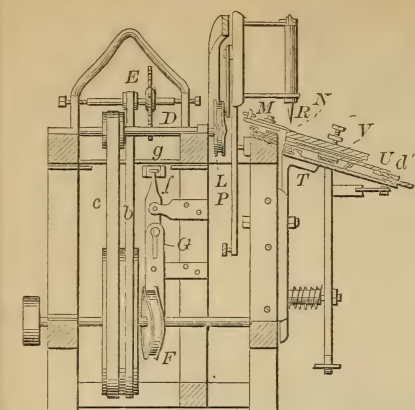
75501—White & Lingle—*Car Brake.*



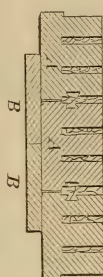
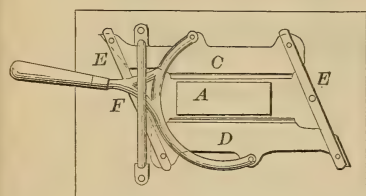
75503—J. Whitney—*Hop Dryer.*



75506—R. Wolf—Dovetail Machine.

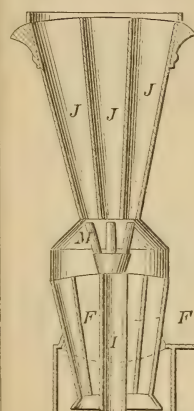
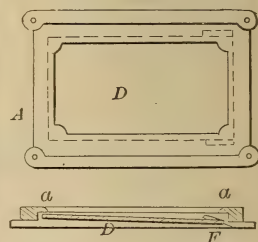


75508—T. P. Allen—Feed Cutter.



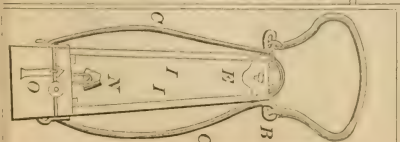
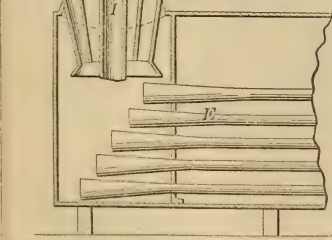
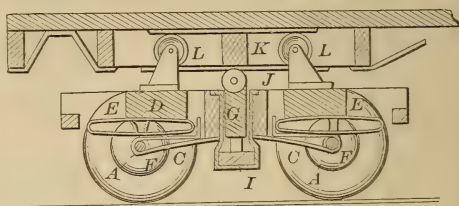
75504—C. Williams—Pneumant.

75507—W. I. Adams—Card Holder.

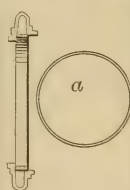


75511—J. Atkins—Smoke Stack for Locomotive Engines.

75513—J. Baysore—Car Truck.

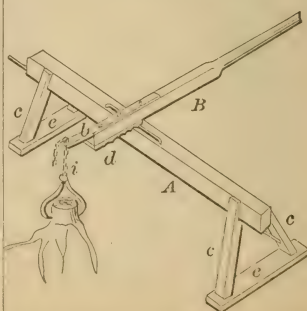


75510—E. S. Archer—Lantern.

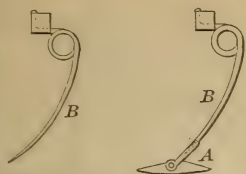


75505—G. J. Wilson—Witch Case.

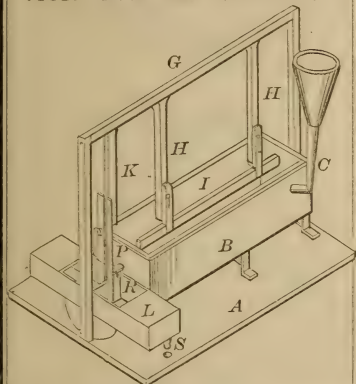
75512—S. S. Avis—Stump Extractor.



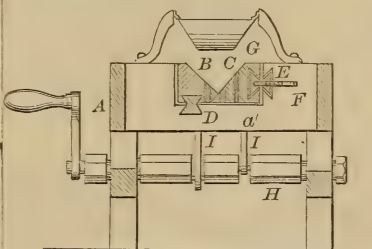
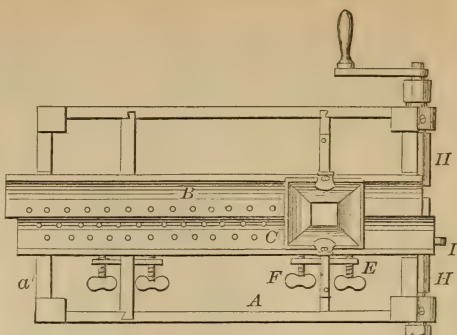
75514—H. L. Beach—Horse Rake.



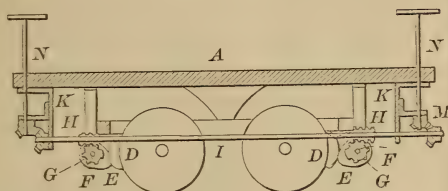
75515—H. H. Bent—Cheese Vat.



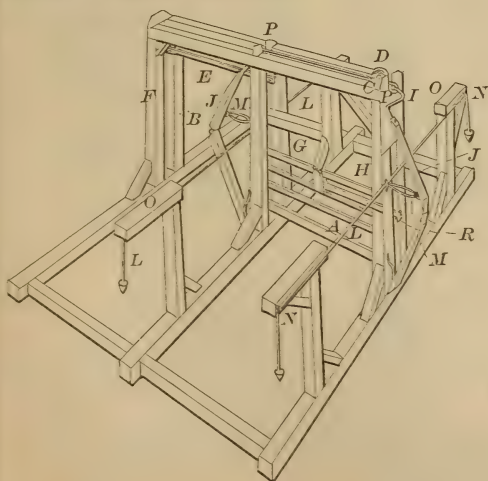
75520—W. T. Chaffee—Grain Separator.



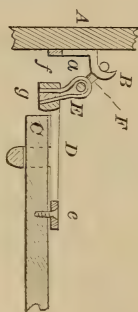
75518—W. H. Burke—Car Brake.



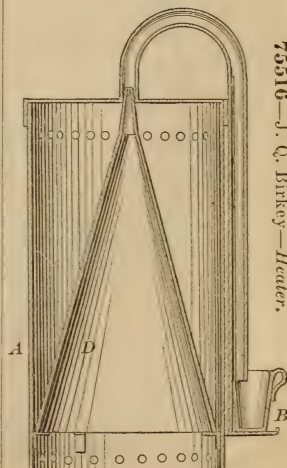
75517—W. Brown—Farm Gate.

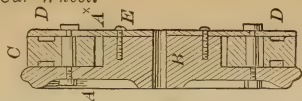


75519—E. Caswoll—Bed Bottom.

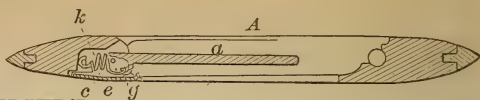


75516—J. C. Birkey—Heater.

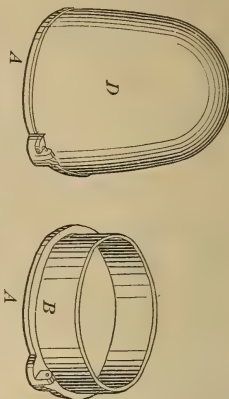
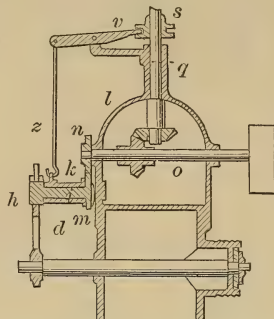
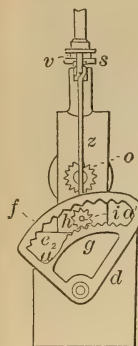


75521—S. B. Chapman—
Car Wheel.

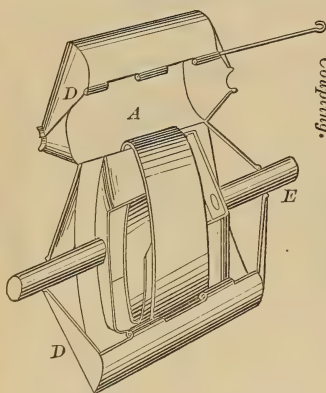
75522—D. G. Chase—Shuttle.



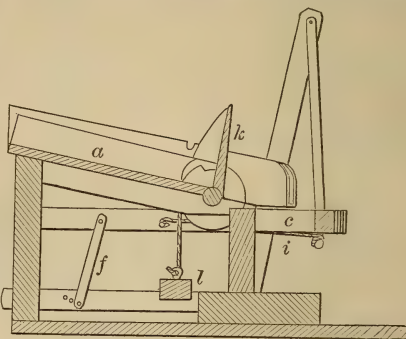
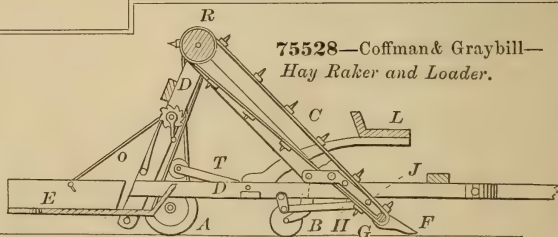
75523—D. L. F. Chase—Steam Engine Governor.



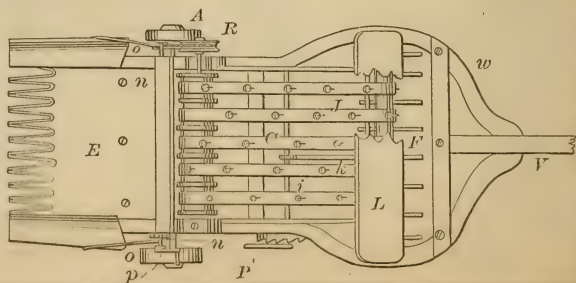
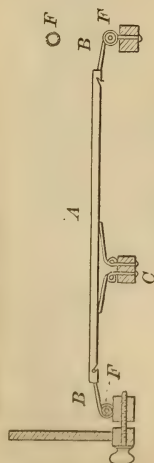
75524—J. Chase, Jr.—Barrel Pan.

75525—S. E. Chase—Covering for Shaft
Coupling.

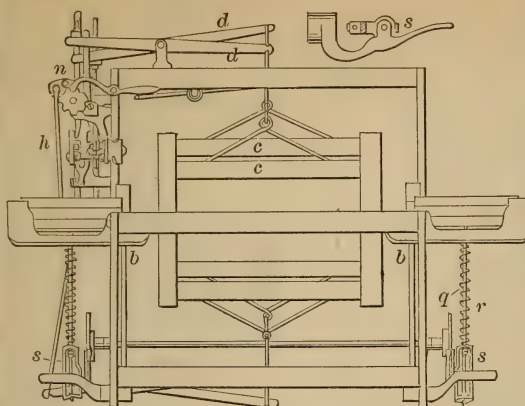
75526—J. A. Clarke—Ferry Bridge Guard.

75528—Coffman & Graybill—
Hay Raker and Loader.

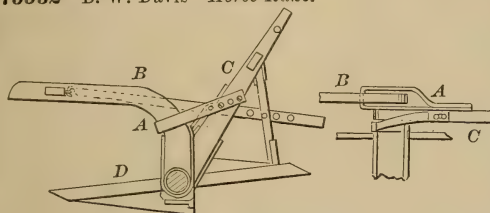
75527—J. C. Climo—Bedstead.



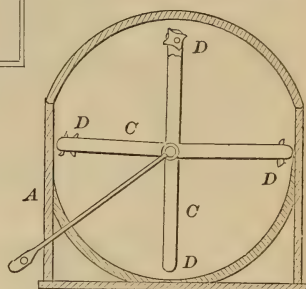
75530—G. Crompton—Loom.



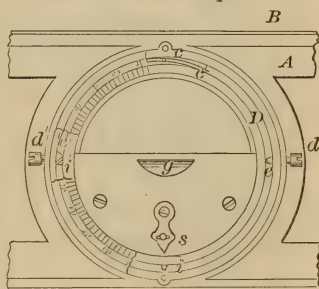
75532—B. W. Davis—Horse Rake.



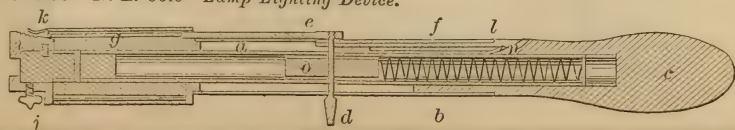
75539—G. C. Fitch—Churn.



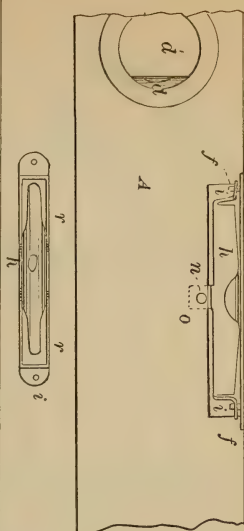
75533—L. L. Davis—Spirit Level.



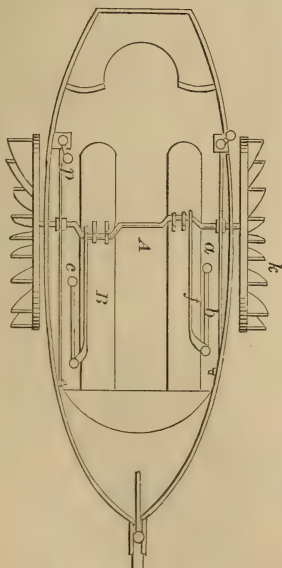
75529—N. L. Cole—Lamp Lighting Device.



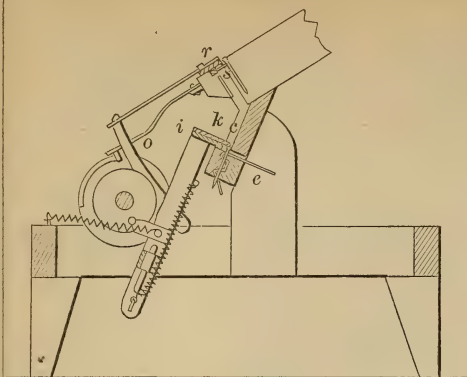
75531—L. L. Davis—Adjustable Spirit Level.



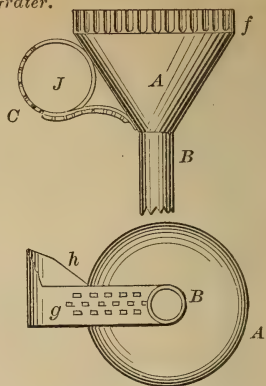
75531—W. G. Crossley—Velocipede.



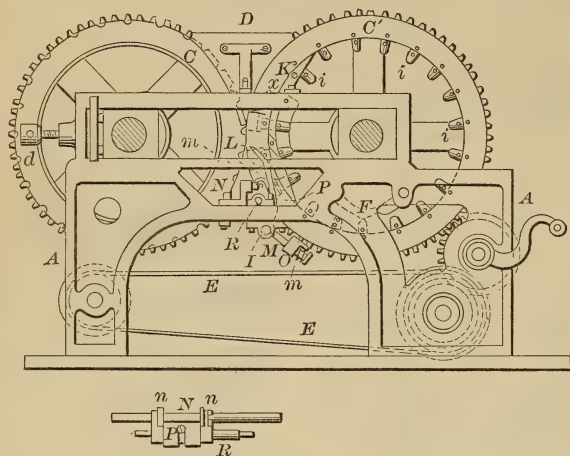
75540—T. Fowler—For Papering Pins.



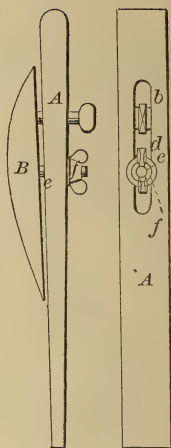
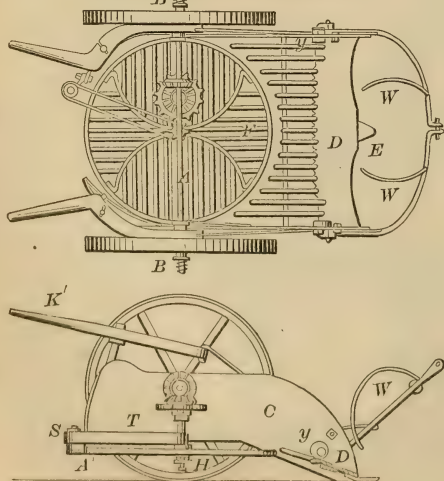
75541—E. A. Goodes—Funnel and Grater.



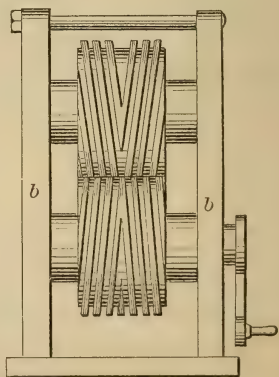
75542—W. A. Graham—Brick Machine.



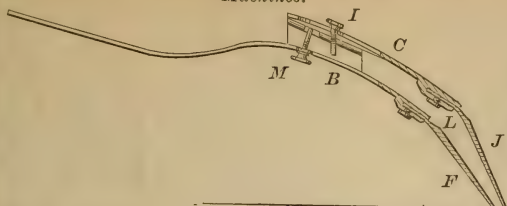
75545—F. Haskins—Shuttle Binder.

75543—A. Hadwen—Potato Digger.
B 2

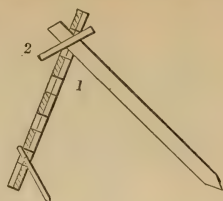
75544—U. Haskin, Jr.—Spiral Gearing.



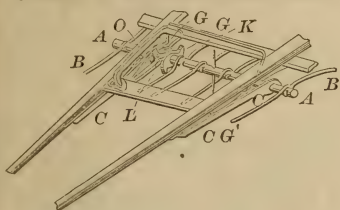
75546—I. W. Henderson—*Pen Holder for Ruling Machines.*



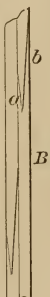
75551—S. Keller—*Fence.*



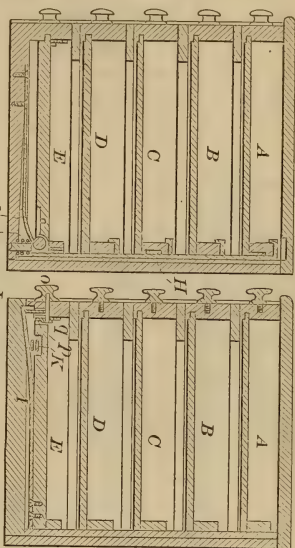
75548—J. N. Hicks—*Horse Rake.*



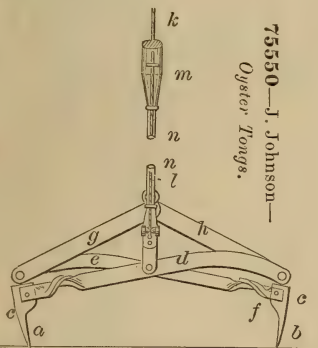
75554—H. Lemaistre—*Belt.*



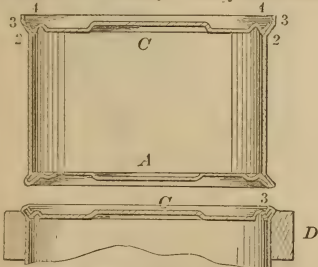
75553—J. Koch—*Furniture Drawer and Fastening.*



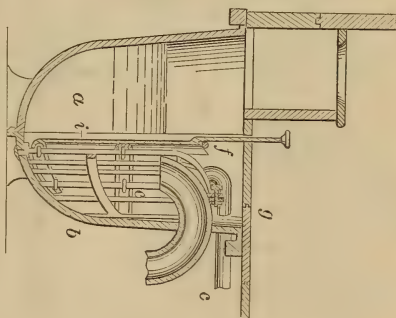
75550—J. Johnson—*Oyster Tongs.*



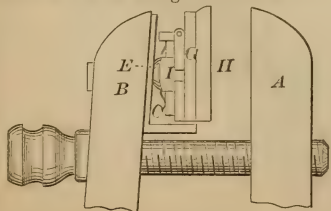
75547—P. Hickey—*Can for Alkalies.*



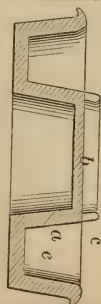
75549—J. Ingram—*Privy.*



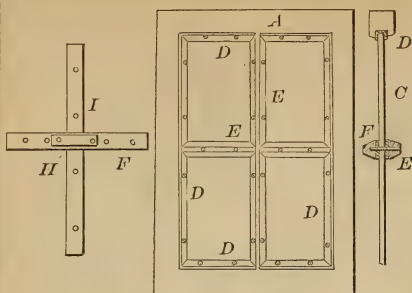
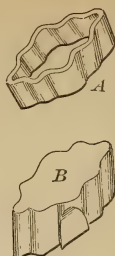
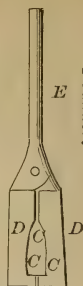
75552—H. N. King—*Vise Jaw.*



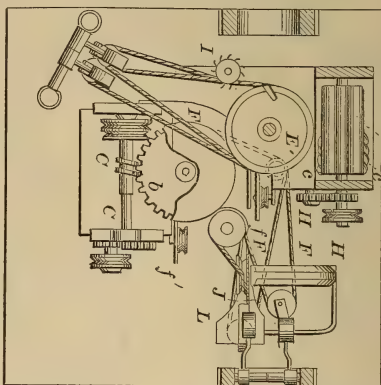
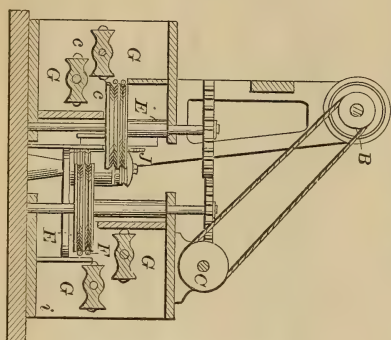
75555—W. Lilley—*Treatment of House Plants.*



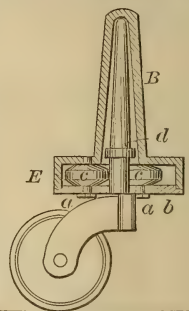
75556—J. Liness—Window Sash.

75558—J. B. Macduff—Forming
Raised Ornaments on Wood.75562—B. S. Morgan—Clothes'
Pounder.

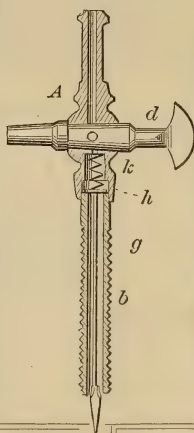
75559—W. C. McBride—For Dressing Flax.



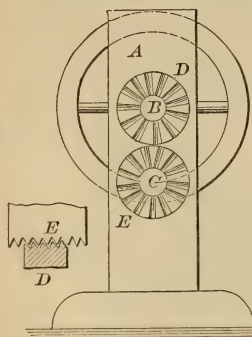
75564—H. Munroe—Caster.



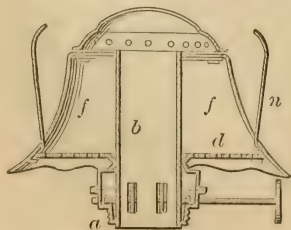
75557—W. I. Luther—Bottle Funnel.



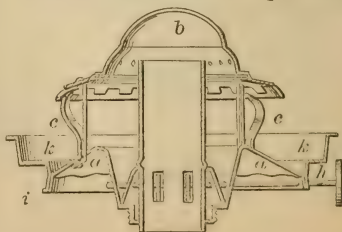
75563—J. Morton—Cutting Saw Teeth.



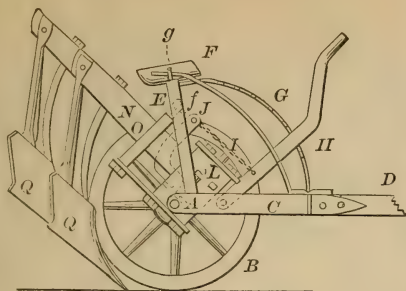
75565—G. Neilson—Lamp Burner.



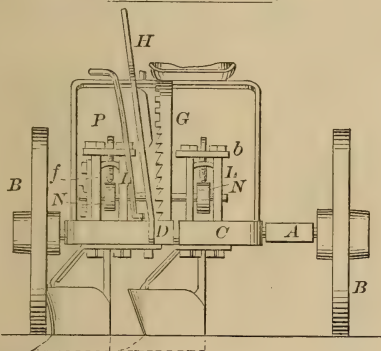
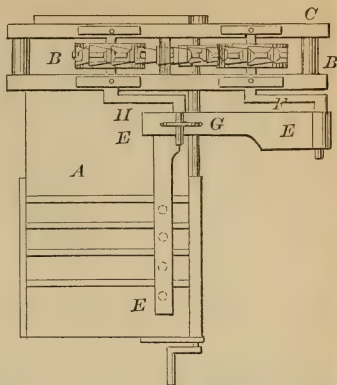
75566—G. Neilson—Lamp Burner.



75567—W. Nelson—Gang Plow.



75570—E. Ogden—Harvester Rake.



75568—H. B. Nickerson—File.

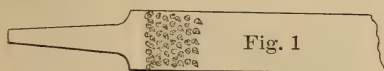
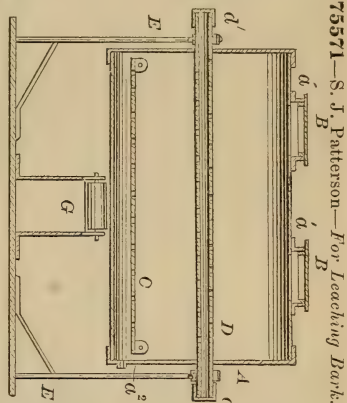
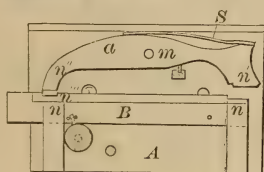


Fig. 1

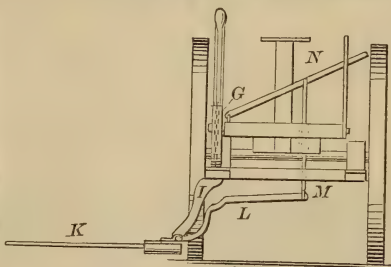


75571—S. J. Patterson—For Leaching Bark.

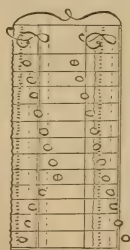
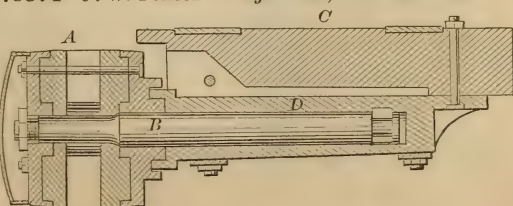
75569—H. Norton—Door Lock.



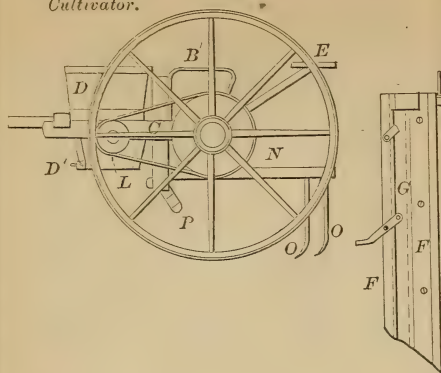
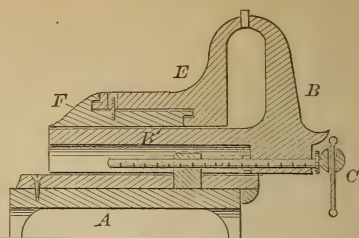
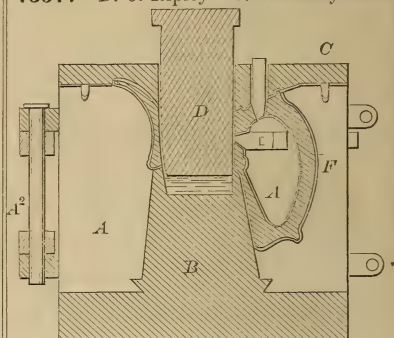
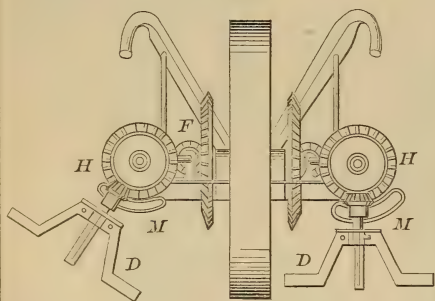
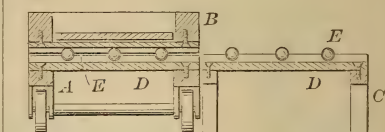
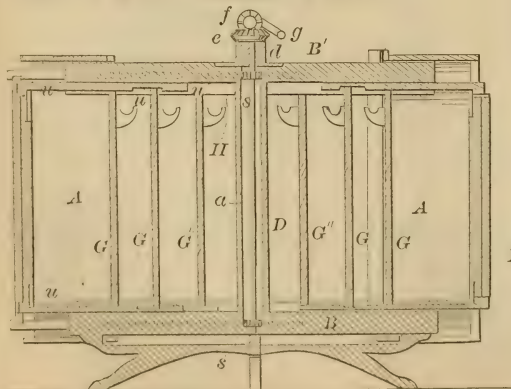
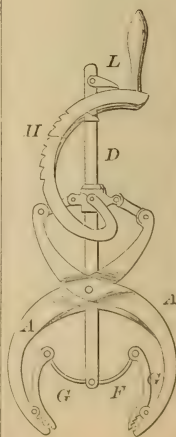
75573—J. W. Pierce—Mowing Machine.



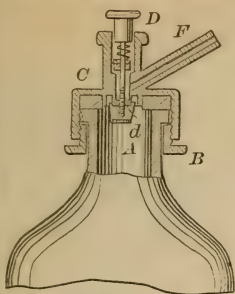
75574—J. W. Pollock—Wagon Hub, Axle and Box.



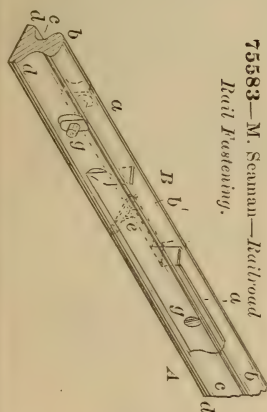
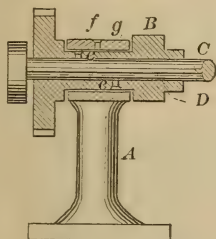
75572—P. Phillips—Musical Notation.

75575—O. M. Pond—*Seeding Machine and Cultivator.*75576—M. Printiss—*Vise.*75577—D. C. Ripley—*Glass Manufacture.*75578—E. B. Roberts—*Cultivator.*75581—L. Savage—*Railroad Freight Car.*75579—J. G. Roux—*Extension Wardrobe.*75580—J. G. Rust—*For Lasting Boots and Shoes.*

75582—A. D. Schnackenberg—*Vessel for Mineral Water.*

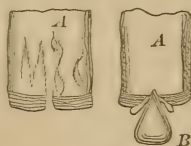


75584—M. Senior—*Lubricating Device.*

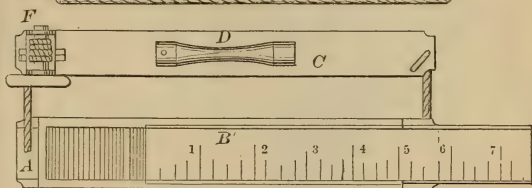
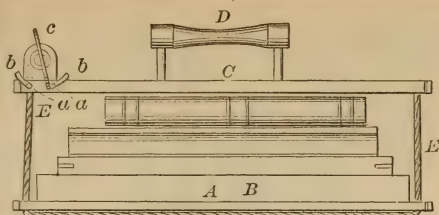


75583—M. Seaman—*Rail Fastening.*

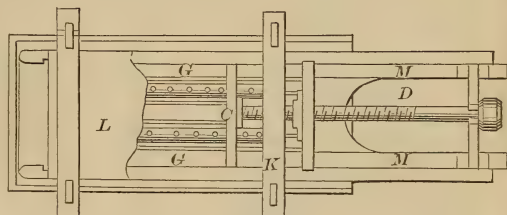
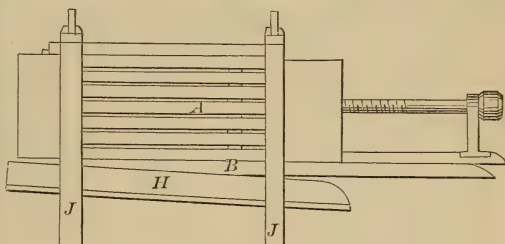
75586—H. H. Seys—*Surgical Suppository.*



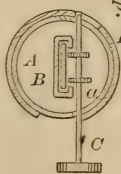
75588—C. W. Sherwood—*Portable Book Clamp.*



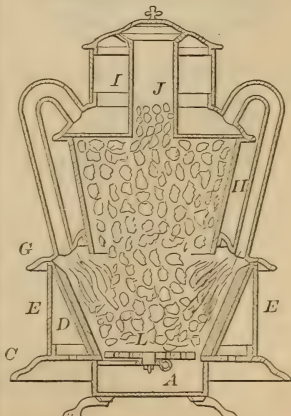
75589—A. W. Shidler—*Cider Press.*



75587—Shea & Gillman—*Lamp.*

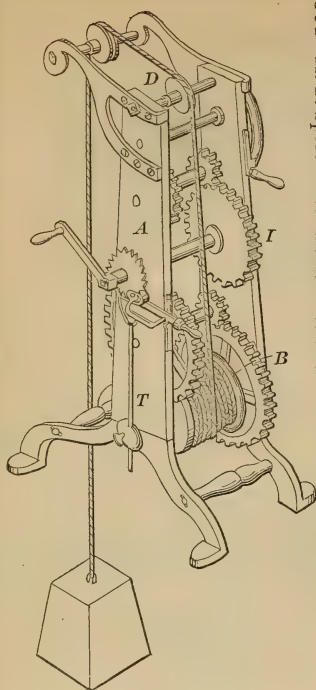
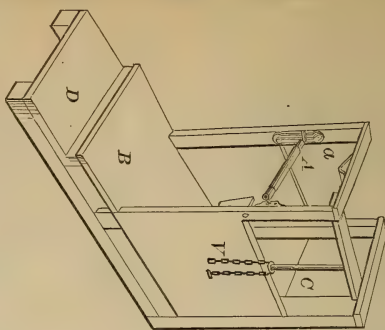
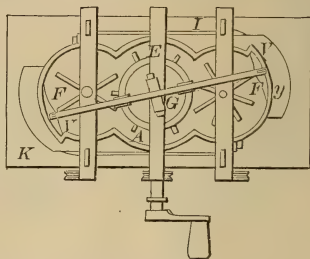
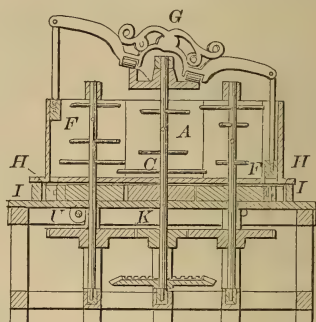
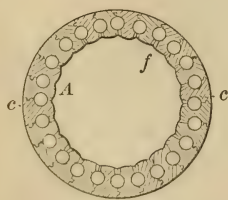
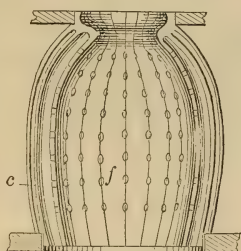
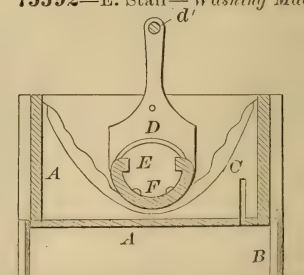
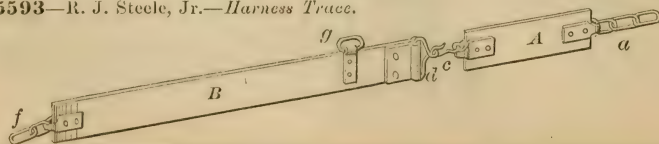


75585—S. B. Sexton—*Stove.*

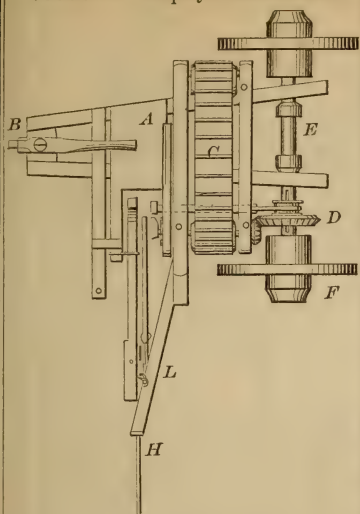


75590—J. H. Spierbeck—*Horse Collar.*

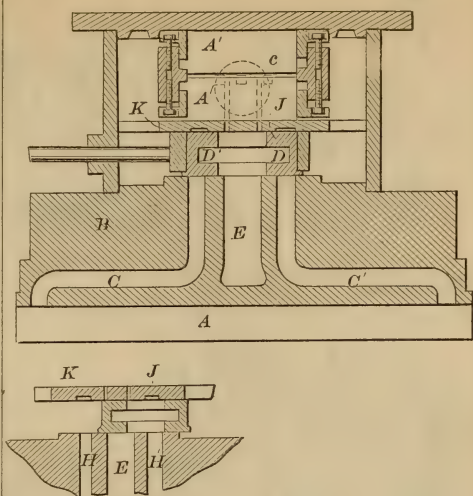


75591—M. F. Spore—*Mechanical Movement.*75595—S. D. Stone—*Cattle Stall.*75596—J. Taggart—*Brick Machine.*75594—D. L. Stiles—*Stove Fire-Pot.*75592—E. Stair—*Washing Machine.*75593—R. J. Steele, Jr.—*Harness Trace.*

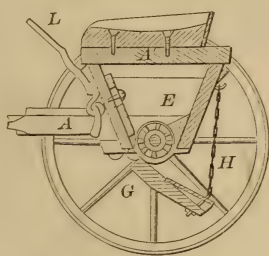
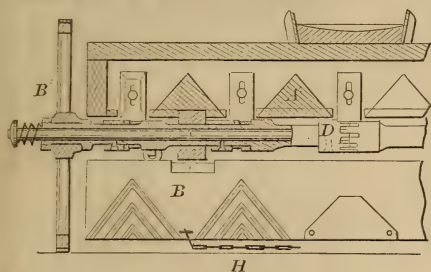
75597—H. Tarpley—Horse Power.



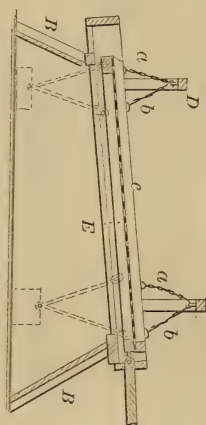
75598—W. Thilmany—Steam Engine Valve.



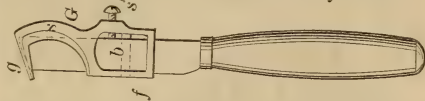
75601—F. W. Tilton—Seed Sower.



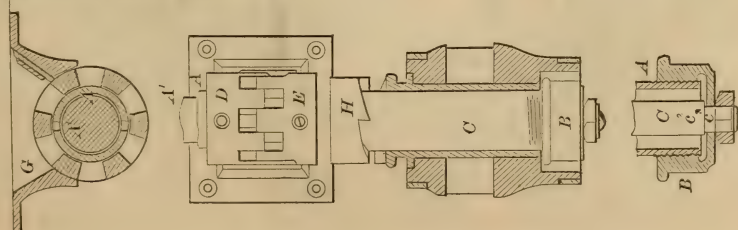
75599—S. Thompson—Hanging Sieves and Screens.



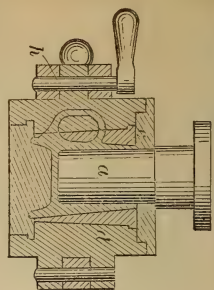
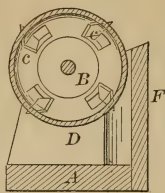
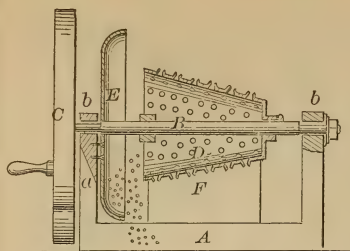
75602—G. G. Townsend—Shoe Knife Guard.



75600—F. W. Tilton—Seed Planter.

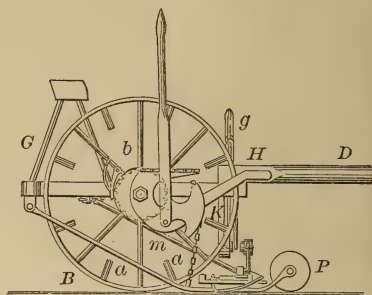
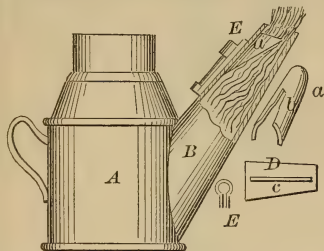


75605—C. Vignal—Vegetable Cutter.



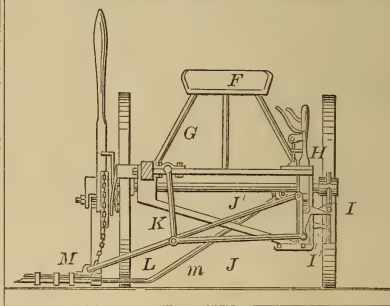
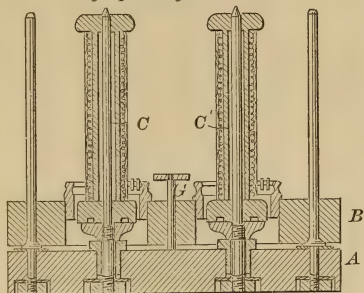
75604—D. Turpie—Glass Mould.

75603—G. W. Trimble—Miners' Lamp.

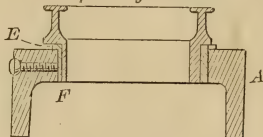


75606—L. Wallace—Harvester.

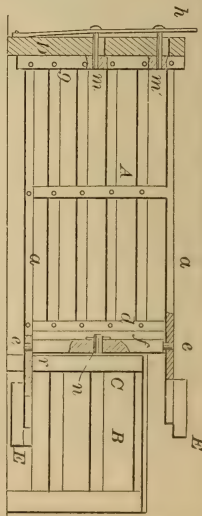
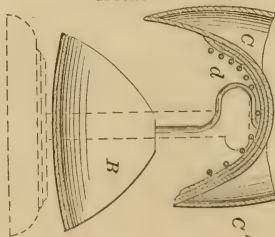
75609—J. W. Wattles—Clearer for Ring Spinning Machines.



75610—J. W. Wattles—Ring and Traveler Spinning Machine.

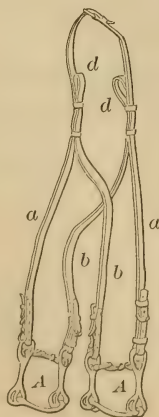


75611—J. D. Westgate—Sad Iron Holder.

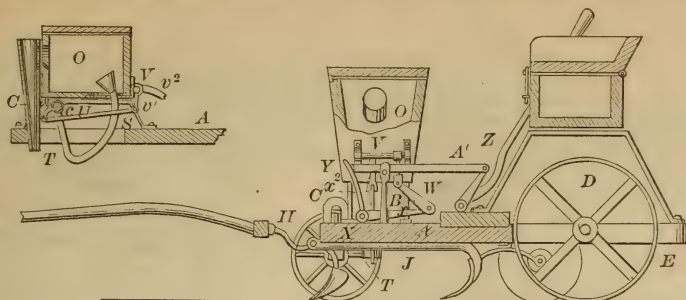


75607—W. S. Wandell—Gate.

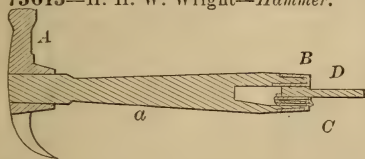
75614—L. D. Woodmansee—Driving Lines.



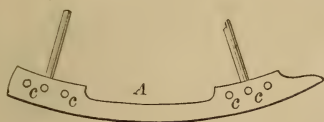
75613—S. C. Wilder—Seed Planter.



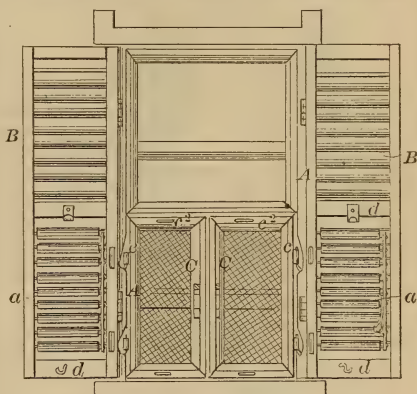
75615—H. H. W. Wright—Hammer.



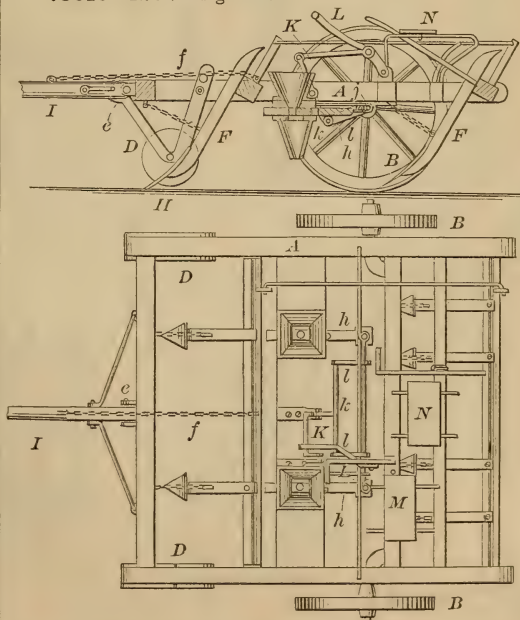
75617—L. B. Yale—Chair Rocker.



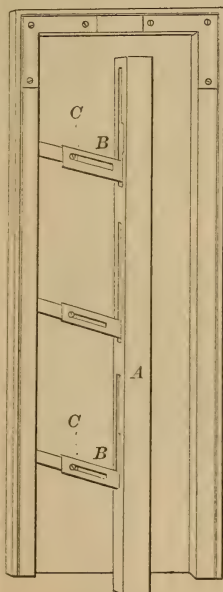
75612—J. R. Wharry—Window Netting.



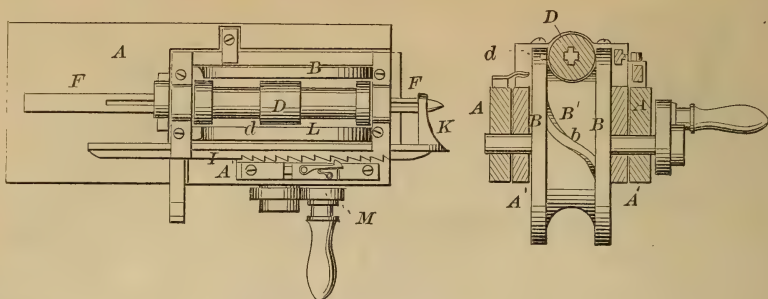
75616—R. B. Wright—Seed Planter.



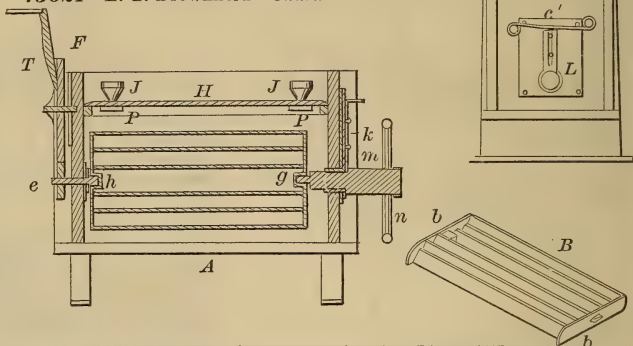
75619—W. G. Blymyer—Printers' Galleys.



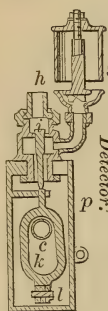
75620—F. E. Boyd—Feeding Nail Plates.



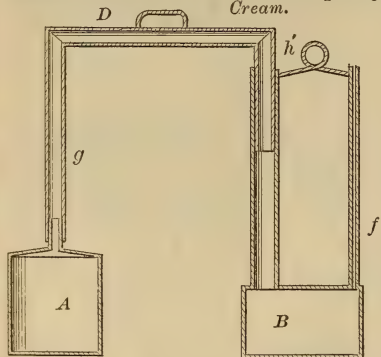
75621—E. T. Brownfield—Churn.



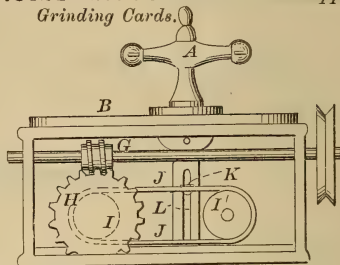
75618—W. W. Bailey—Low Water Detector.



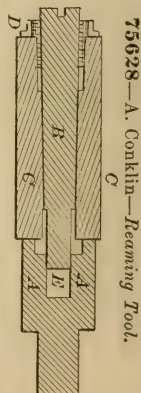
75622—E. T. Brownfield—For Tempering Cream.



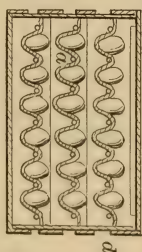
75624—W. H. Chandler—For Strapping and Grinding Cards.



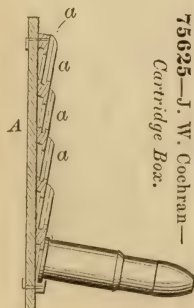
75626—J. W. Cochran—Cartridge Box.



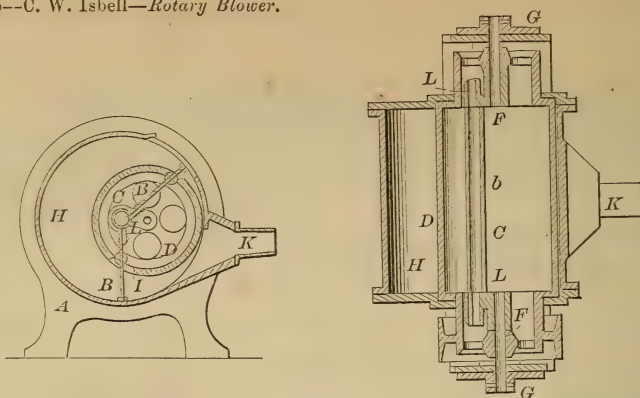
75623—A. H. Bryant—Egg Carrier.



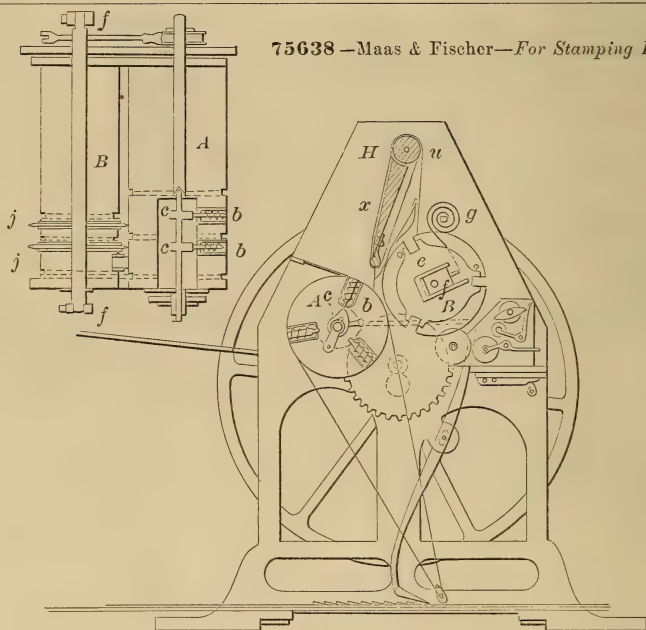
75625—J. W. Cochran—Cartridge Box.



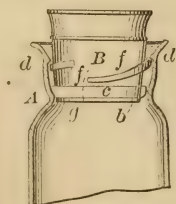
75635--C. W. Isbell--Rotary Blower.



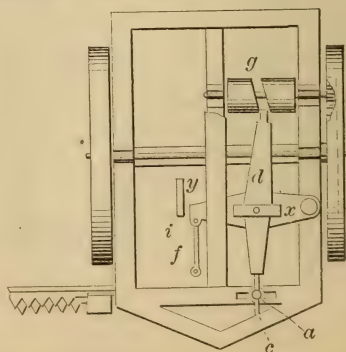
75638--Maas & Fischer--For Stamping Letters.



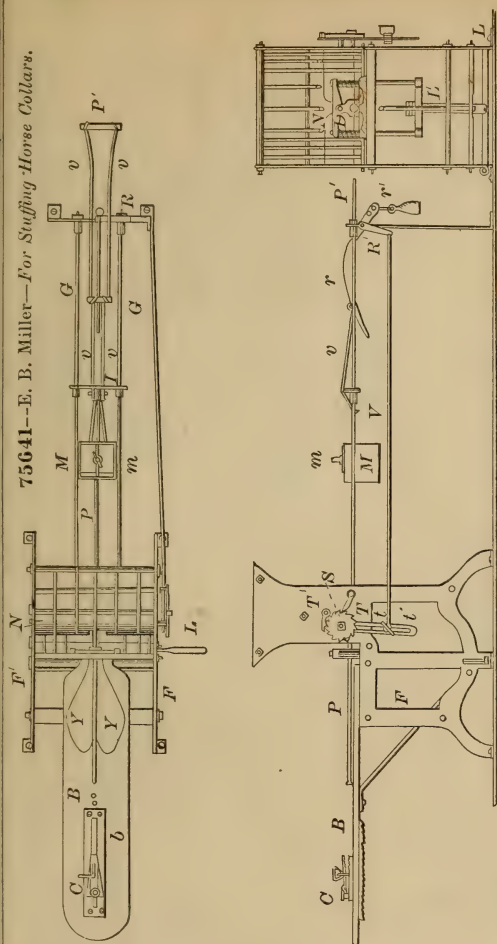
75639--A. D. McMaster--Fruit Jar.



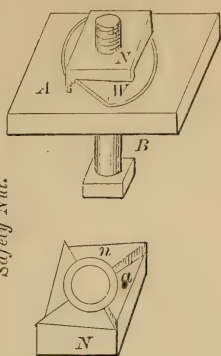
75640--E. W. Merrill--Harvester.



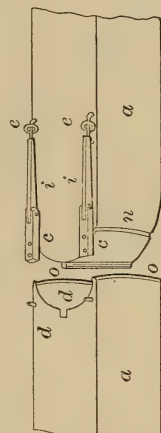
75641—E. B. Miller—For Stuffing Horse Collars.



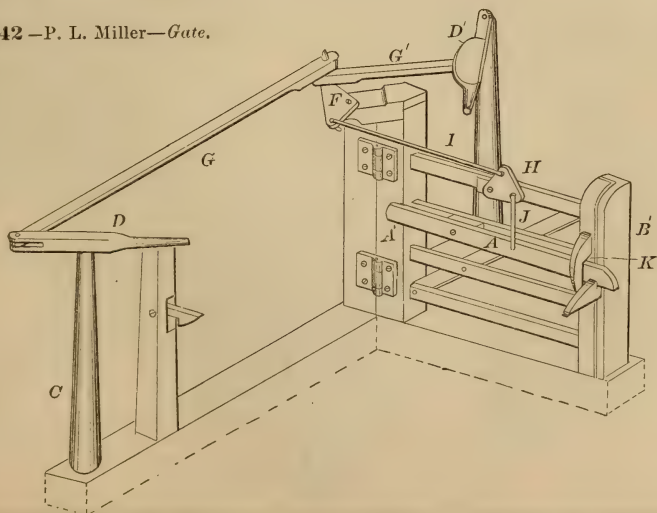
75643—A. V. B. Orr—Spring Washer and Safety Nut.

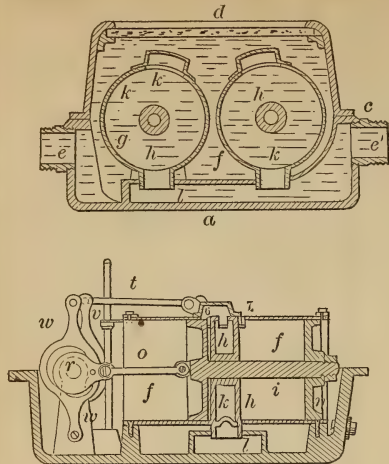
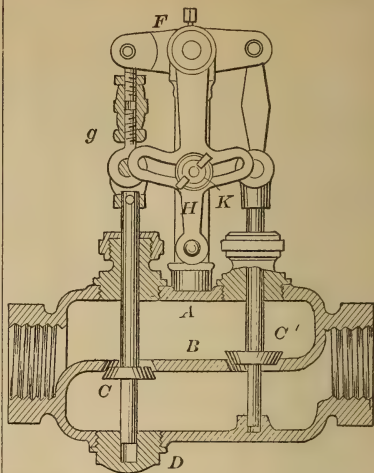
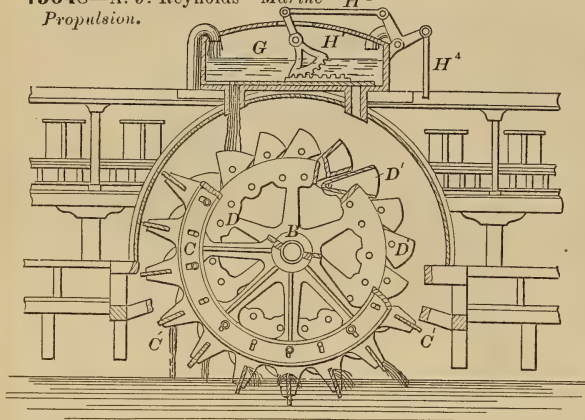
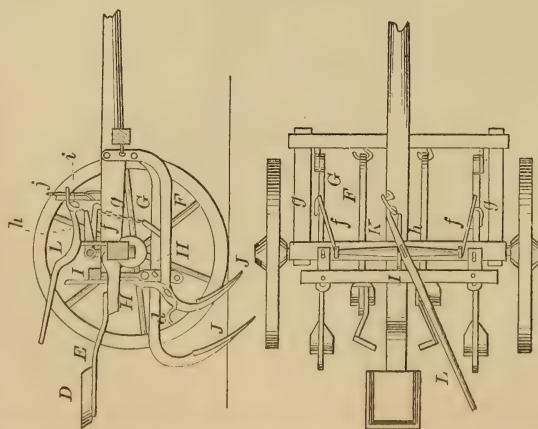
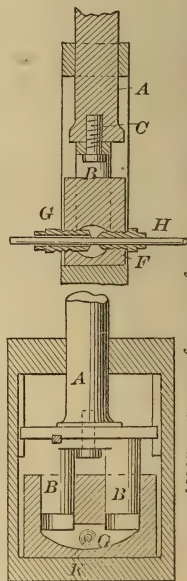


75645—Raymond & Hanley—Coupling for Sectional Vessels.

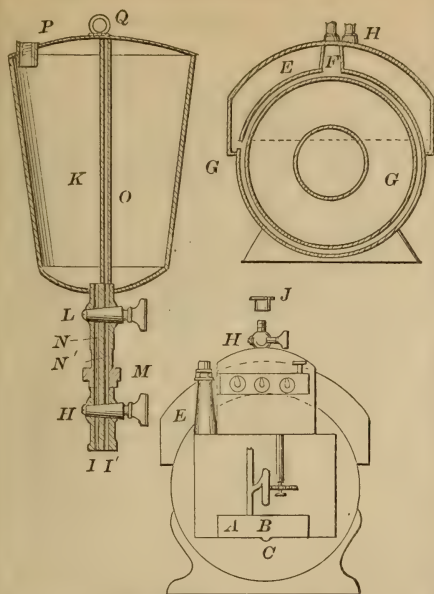


75642—P. L. Miller—Gate.

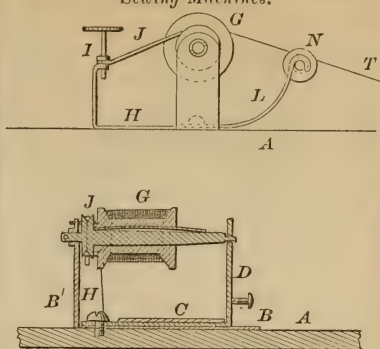


75644—Powers & Van Deusen—*Fluid Meter.*75646—E. B. Requa—*Balance Valve.*75648—A. J. Reynolds—*Marine H² Propulsion.*75647—J. H. Reynerson—*Cultivator.*75649—J. Robertson—*Manufacture of Rubber Tubes.*75650—M. Rosenthal—*Button Fastening.*

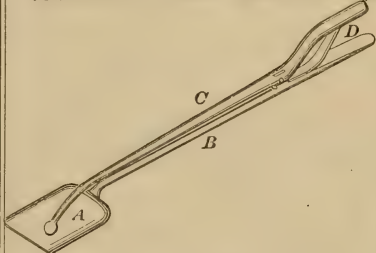
75653—A. W. Smith—Gas Meter.



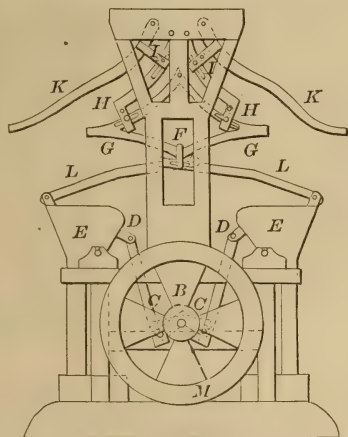
75654—S. Snyder—Thread Tension for Sewing Machines.



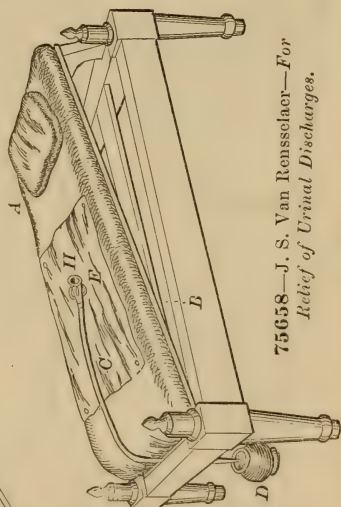
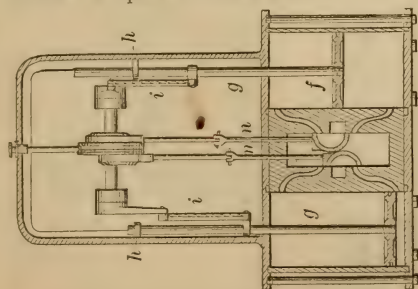
75652—H. C. Sisco—Shovel and Tongs.



75657—Ulmann & Boeckman—Hand Engine.

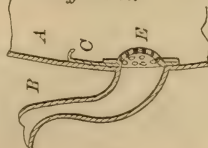


75655—E. Spencer—Water Meter.

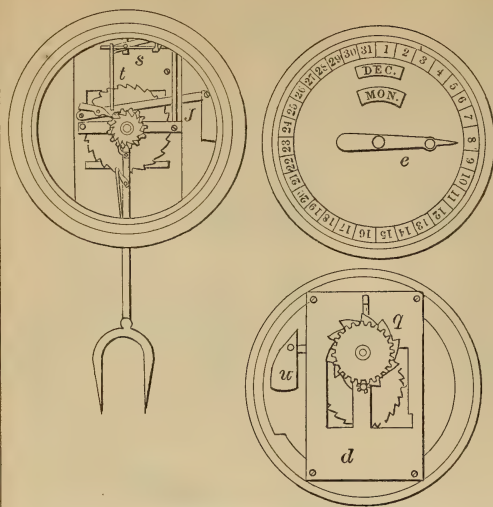


75658—J. S. Van Rensselaer—For Relief of Urinal Discharges.

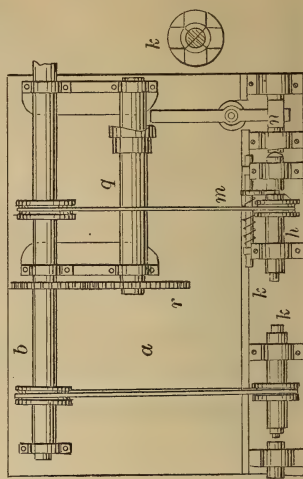
75651—M. Simons—Tea and Coffee Pot.



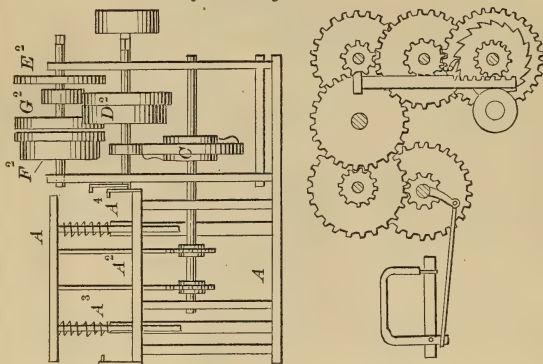
75659—A. S. Vose—Calendar



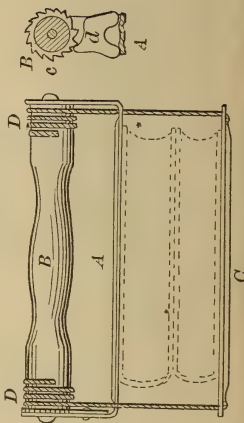
75663—H. D. Blake—For Riveting Hinges.



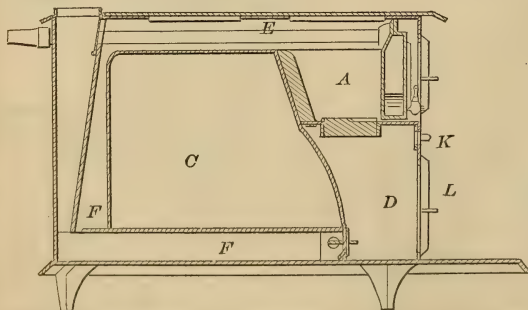
75666—A. C. Crary—Sewing Machine Attachment.



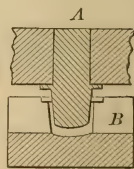
75660—W. C. Watson—Book Clamp.



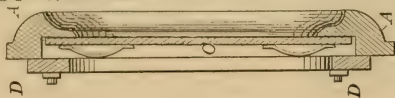
75665—G. Chilson—Cooking Stove.



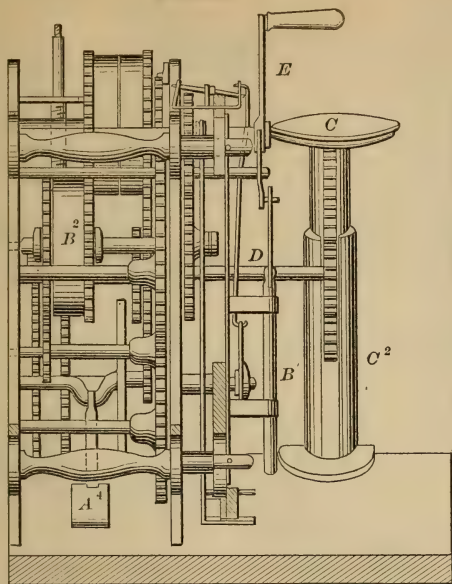
75662—H. W. Bailey—For Making Hammers.



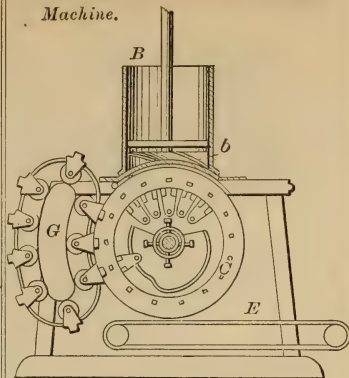
75664—C. H. Buck—Store Window.



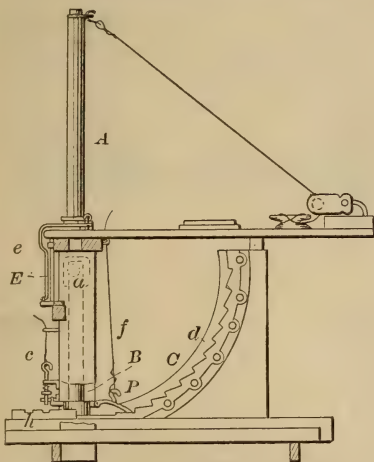
75667—A. C. Cray—*For Operating Sewing Machines.*



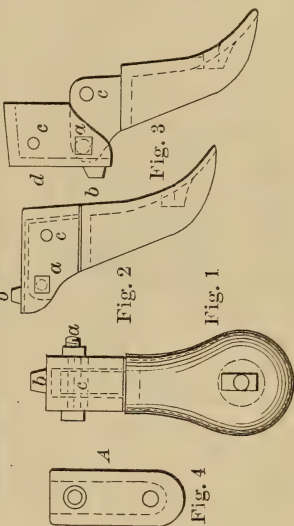
75668—Cutler & Swallow—*Brick Machine.*



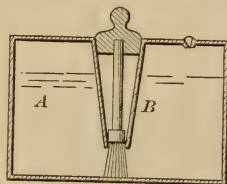
75671—G. Dowling—*For Lowering Ships' Masts.*



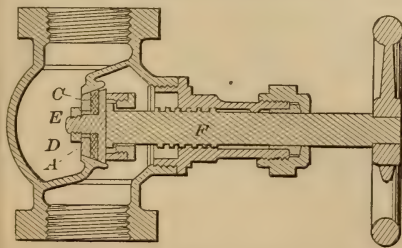
75669—J. D. De Turk—*Cultivator Teeth.*



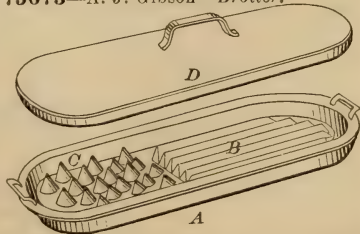
75672—H. H. Ebaugh—*Mucilage Bottle.*



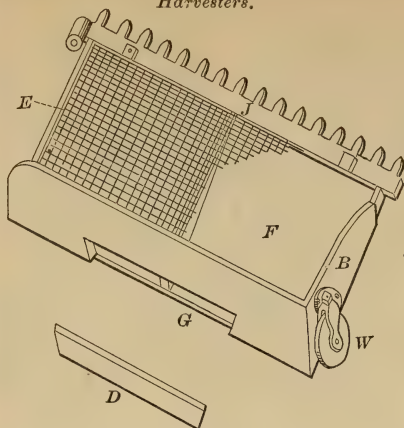
75670—F. Douglass—*Globe Valve.*



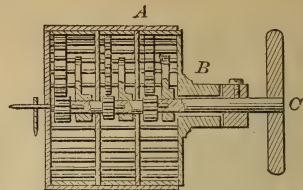
75673—A. J. Gibson—*Broiler.*



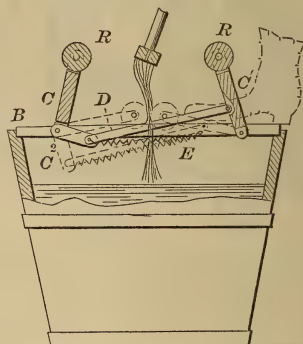
75674—A. E. Gleason—*Grain Platform for Harvesters.*



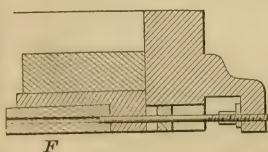
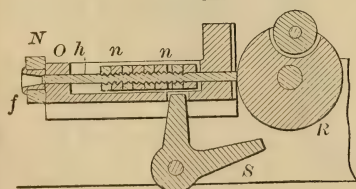
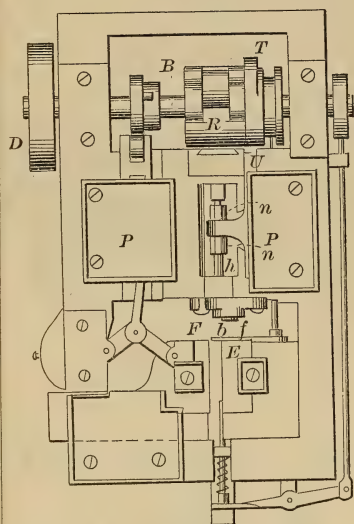
75676—W. F. Goodwin—*Mechanical Movement.*



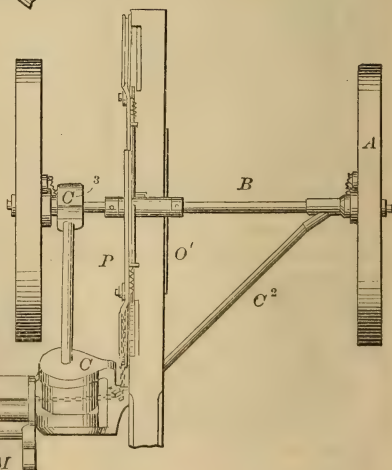
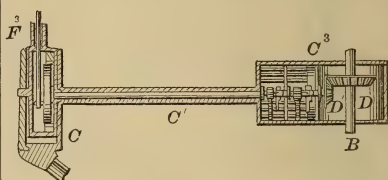
75679—J. H. Gridley—*Mop Wringer.*



75675—A. B. Glover—*For Heading Bolts.*



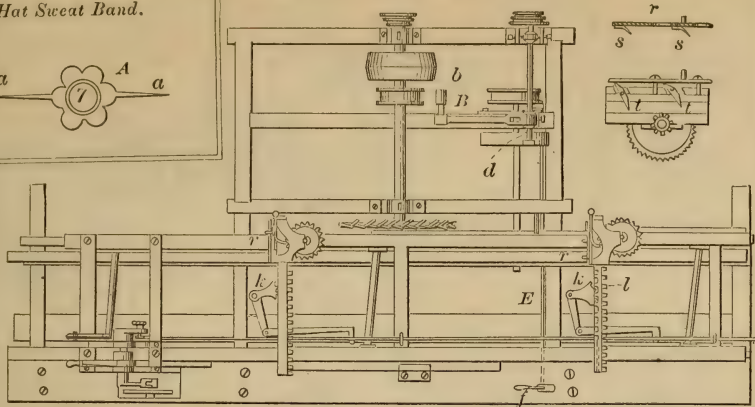
75677—Goodwin & Smith—*Harvester.*



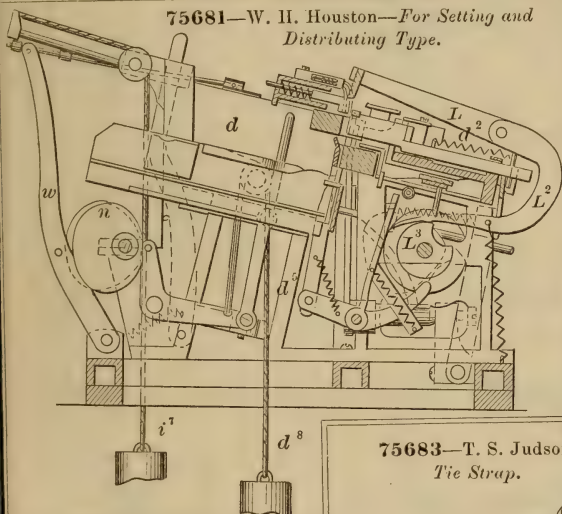
75685—Lawrence & Murfey—
Hat Sweat Band.



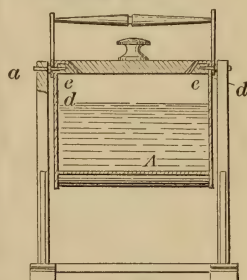
75678—H. H. Gridley—*Saw Mill.*



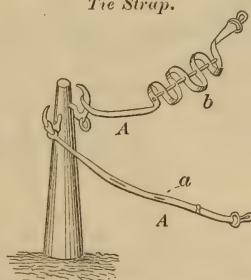
75681—W. H. Houston—*For Setting and
Distributing Type.*



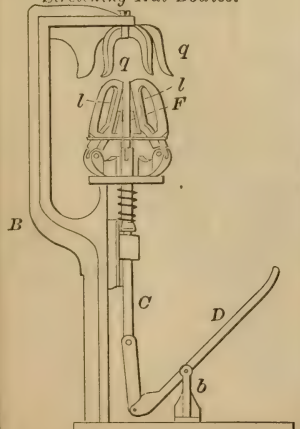
75680—F. W. Heins—
Washing Machine.



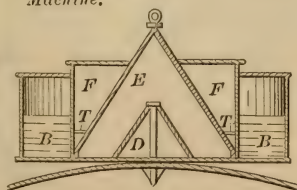
75683—T. S. Judson—
Tie Strap.



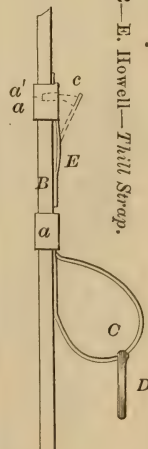
75684—P. Keffler—*For
Stretching Hat Bodies.*



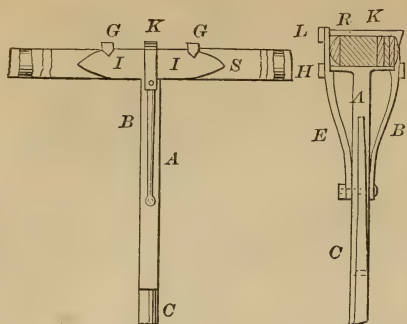
75687—A. Mackey—*Centrifugal
Machine.*



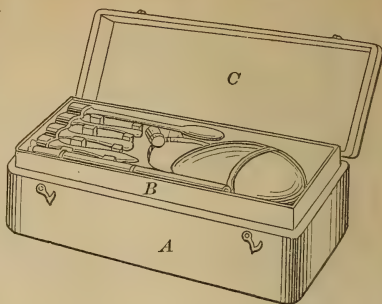
75682—E. Howell—*Thill Strap.*



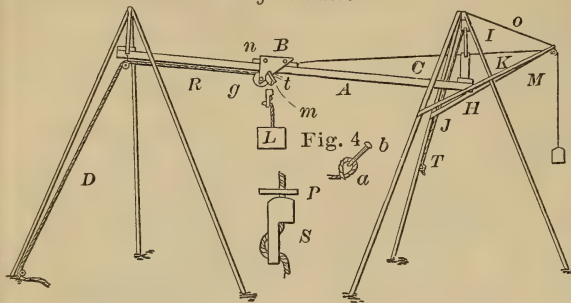
75688—D. A. Mathews—*Carriage Perch Connection.*



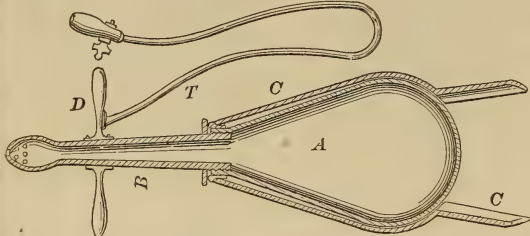
75689.—M. Mattson—*Syringe Case.*



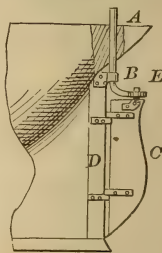
75686—W. Loudon—*Hay Elevator.*



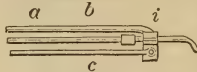
75693—J. A. Morrell—*Vaginal Syringe.*



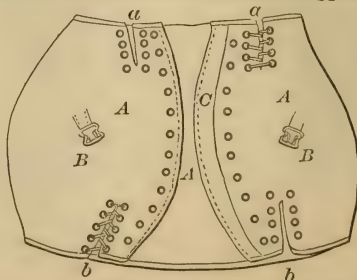
75696.—T. W. Murrey—
Rudder.



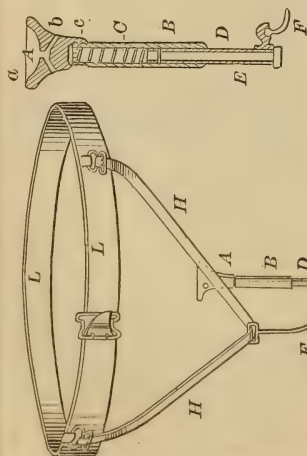
75692.—Minor & Frost—
Umbrella.



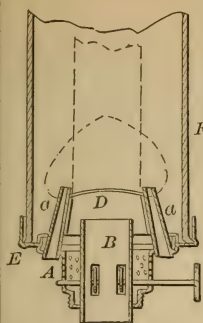
75695—J. A. Morrell—*Abdominal Supporter.*



75694—J. A. Morrell—Uterine Supporter.



75697—R. W. Park—Lamp Burner.



75698—G. Pennoyer—Thill Coupling.

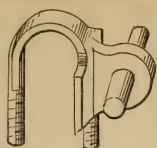


Fig. 1

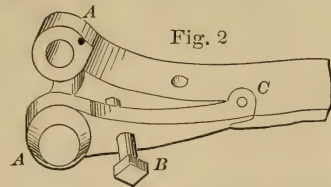
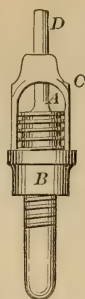
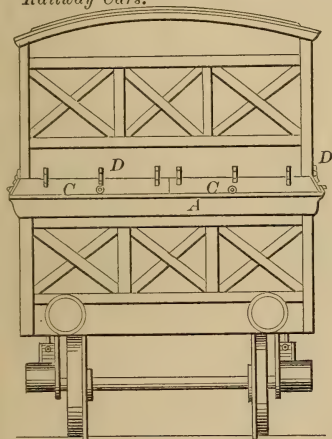


Fig. 2

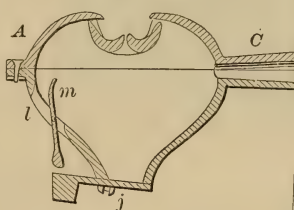
75699—F. P. Pfeighar—Bit Brace.



75701—W. Reid—Supplying Cattle on Railway Cars.



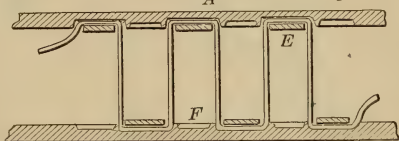
75703—J. W. Rogers—Tuyere.



75705—J. L. Sheppard—Cotton Bale Tie.

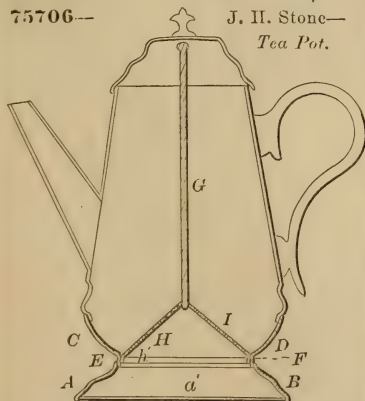


75704—E. Schmeltz—Belt Fastening.

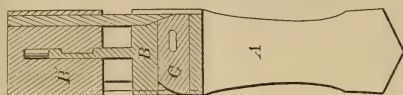


75706—

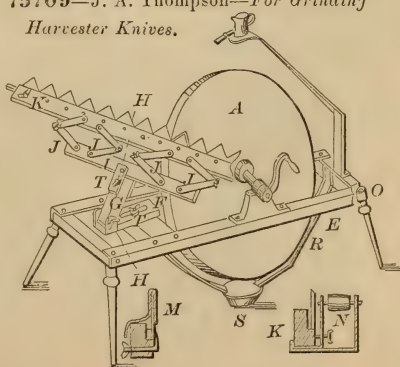
J. H. Stone—Tea Pot.



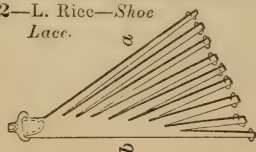
75708—H. M. Stow—Well Drill.

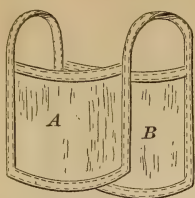
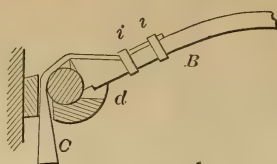
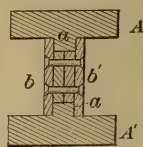
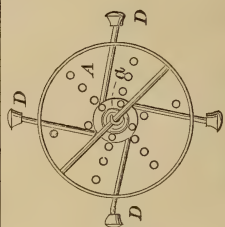
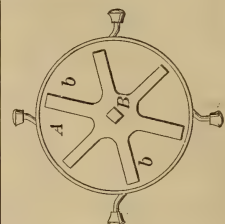
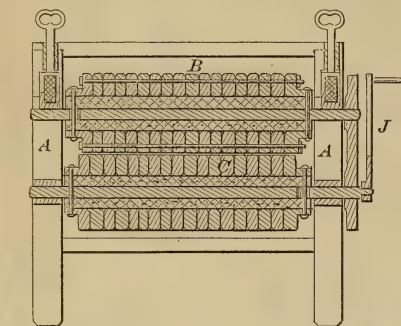
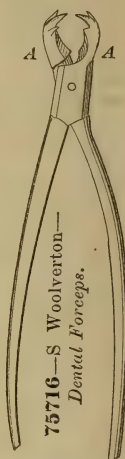
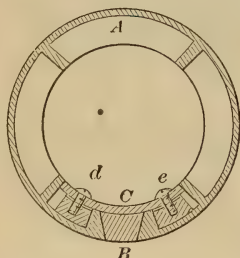
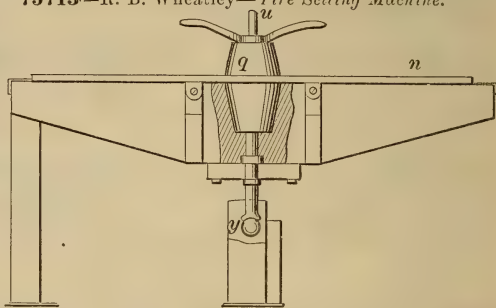
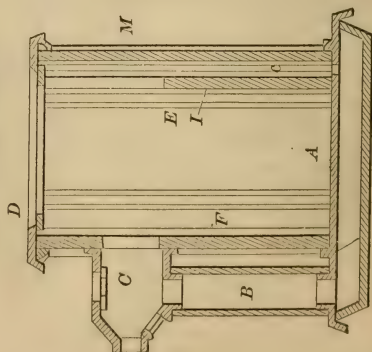
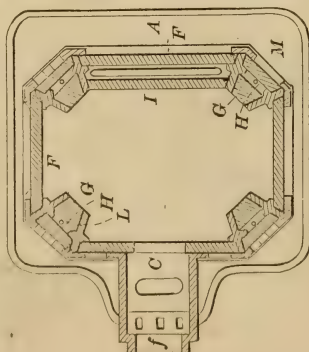


75709—J. A. Thompson—For Grinding Harvester Knives.

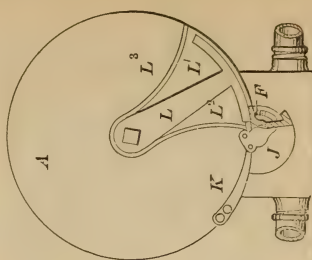
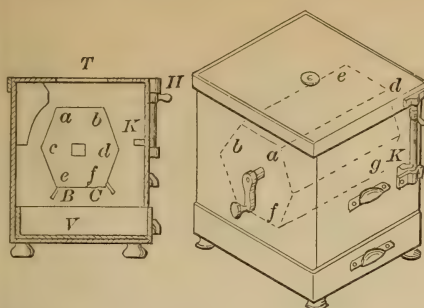


75702—L. Rice—Shoe Lace.

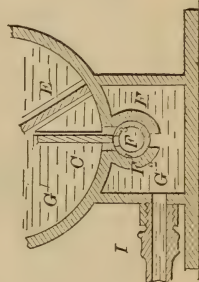
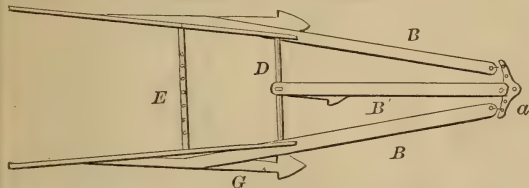


75710—J. W. Torry—*Body Protector.*75711—J. P. Tyson—*Carriage Thill.*75712—Walters & Shaffer—*Beam Fagot.*75707—W. M. Storm—*Clothes Wringer.*75717—W. R. Worden—*Sprinkler.*75716—S. Woolverton—*Dental Forceps.*75712—J. Wheelock—*Piston.*75713—R. B. Wheatley—*Tire Setting Machine.*75715—C. Williams—*Coal Store.*

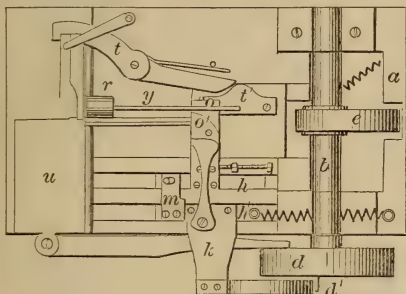
75719—S. Albee—Parlor Coal Sifter.



75718—W. R. Adams—Corn Cultivator.



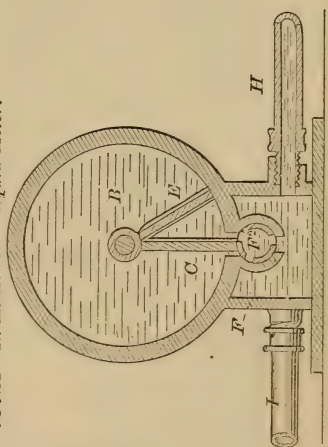
75724—H. D. Blake—For Making Butt Hinges.



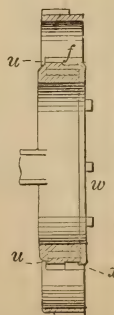
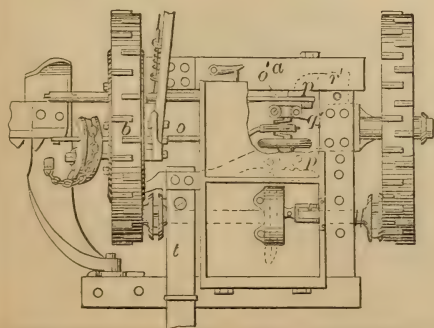
75722—W. Babin—Buckle.



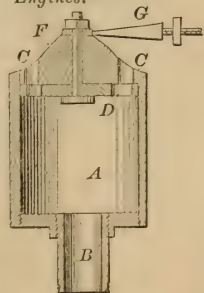
75721—R. H. Atwell—Liquid Meter.

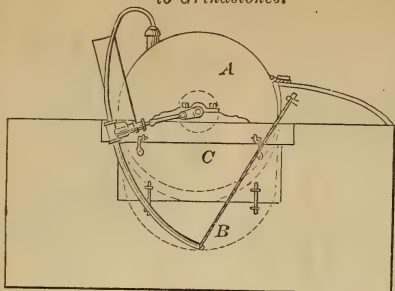
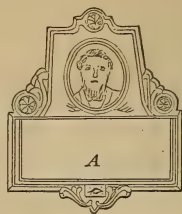
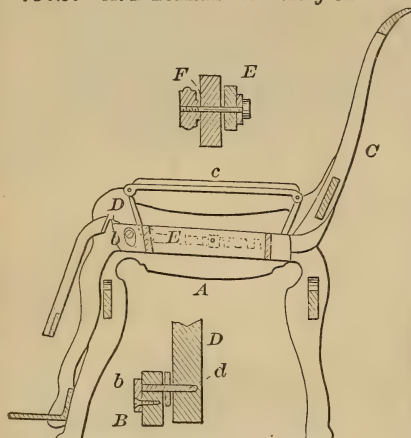
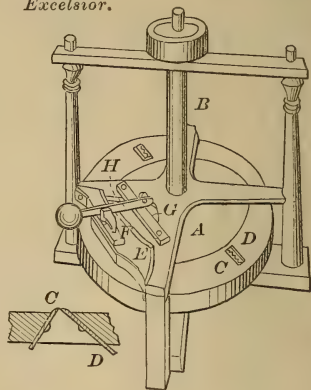
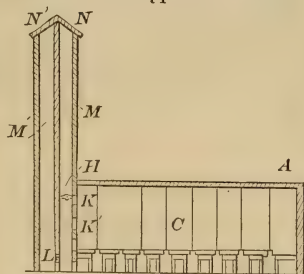
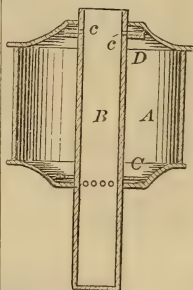
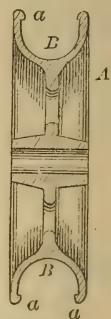
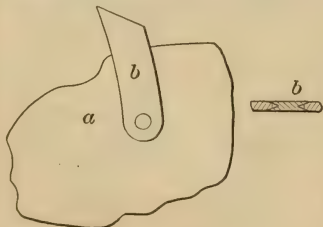
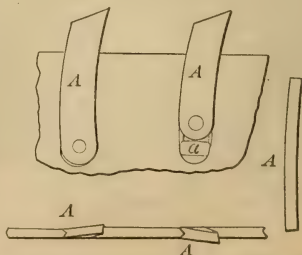


75720—W. Allen—Mowing Machine.

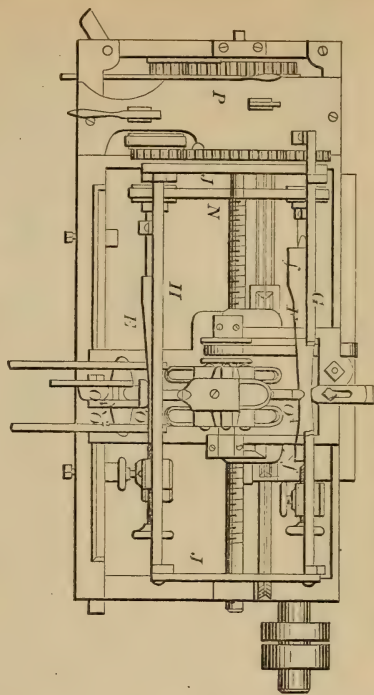
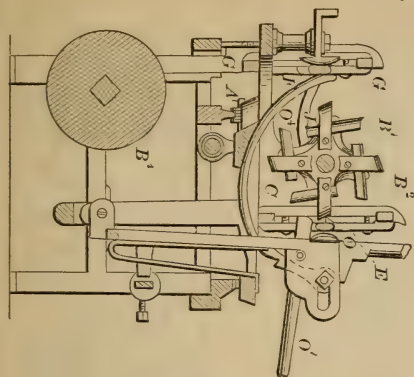


75723—J. H. Baker—Variable Exhaust for Engines.

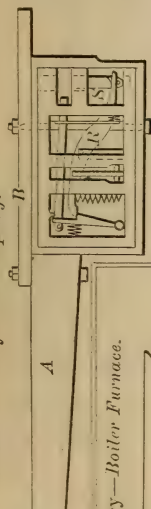


75725—F. Blauss—*For Supplying Water to Grindstones.*75726—G. Brabrook—*Name Plate.*75727—H. B. Braman—*Reclining Chair.*75728—Brooks & Clement—*For Making Excelsior.*75730—S. H. Clapp—*Brick Kiln.*75731—H. M. Clark—*Lamp.*75735—Collins & Burgie—*Sheaf.*75734—W. Clemson—*Saw.*75733—W. Clemson—*Saw*

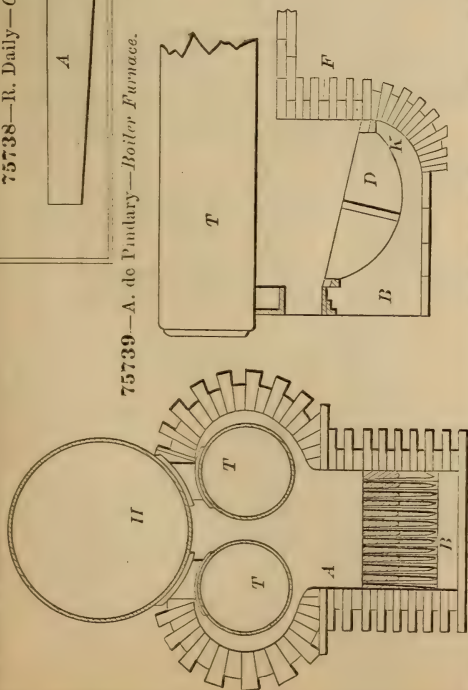
75736—M. F. Connett—Wood Turning Lathe.



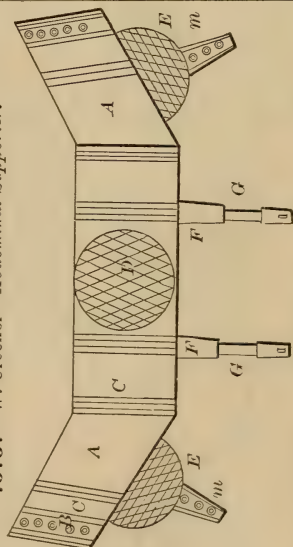
75738—R. Daily—Car Coupling.



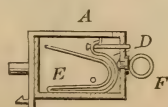
75739—A. de Pintary—Boiler Furnace.

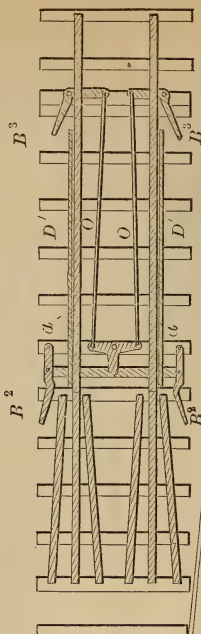
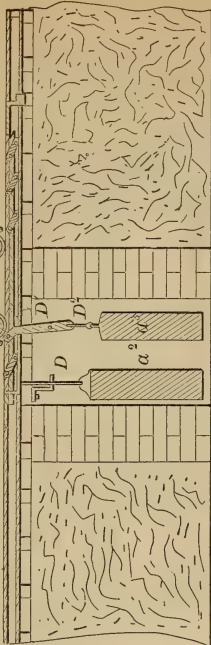


75737—W. Crocker—Abdominal Supporter.

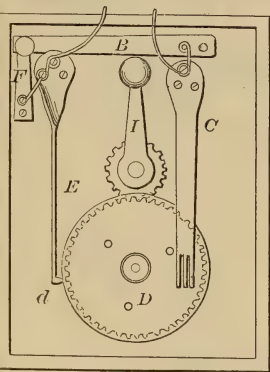


75740—R. H. Dilley—Watch Key.

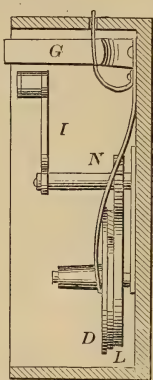
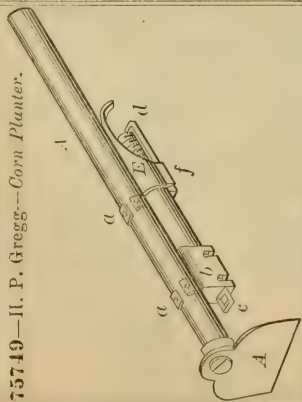


75741—Dulany & Kaufman—
Railroad Switch.

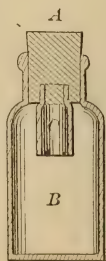
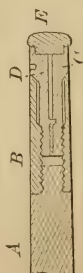
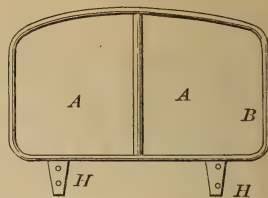
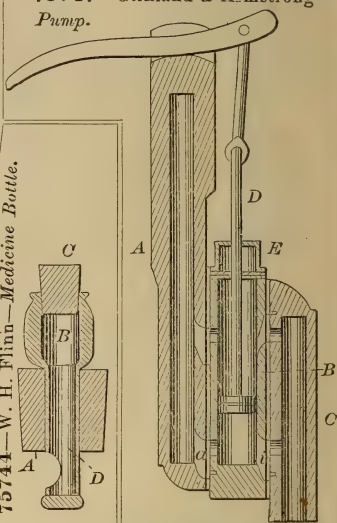
75743—L. B. Firman—Electric Commutator.



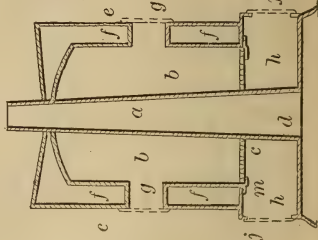
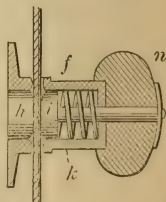
75749—H. P. Gregg—Corn Planter.



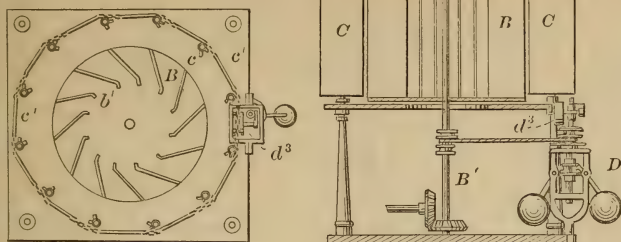
75745—W. H. Flinn—Medicine Bottle.

75751—H. C. Griffin—Billiard
Cue.75746—Franklin & Smith—
Carriage Dash Board.75747—Gilliland & Armstrong
Pump.

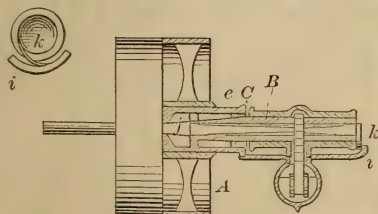
75744—W. H. Flinn—Medicine Bottle.

75748—W. C. Googins—Stove and
Furnace.75750—W. D. Gridley—
Curtain Picture

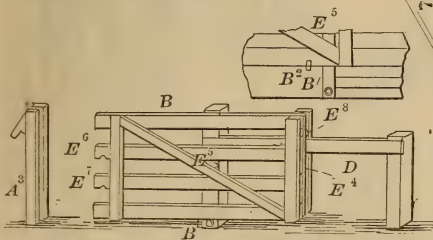
75752—E. J. Hail—Wind Wheel.



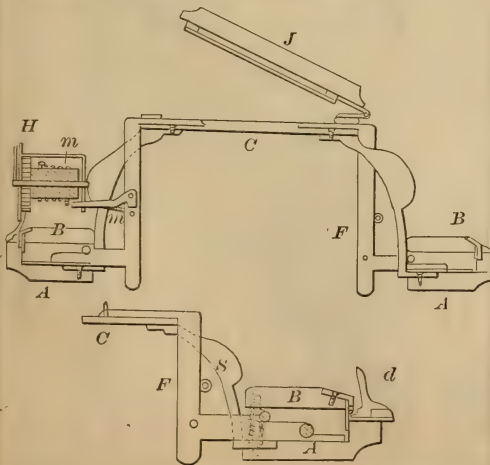
75753—W. Hamilton—For Oiling Pulleys.



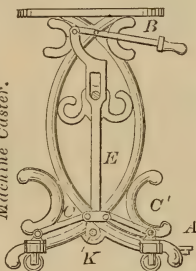
75756—H. A. Henderson—Farm Gate.



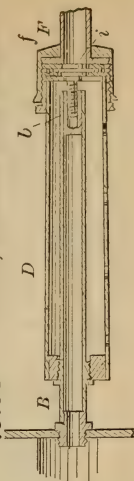
75760—B. Hogan—Hat Conformer.



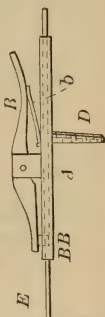
75755—R. Hathaway—Sewing Machine Caster.



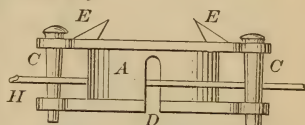
75754—J. Harrison, Jr.—Low Water Detector.



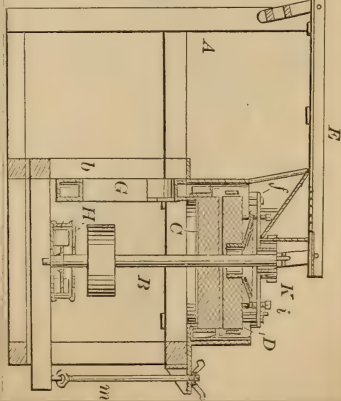
75757—L. Herr—Trace Fastener.



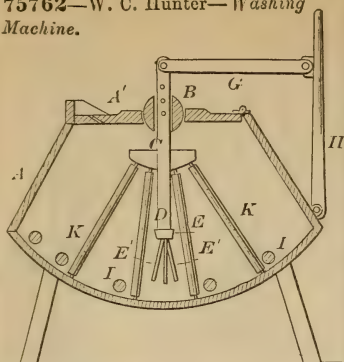
75759—S. B. Hewett, Jr.—Wire Fence Key.



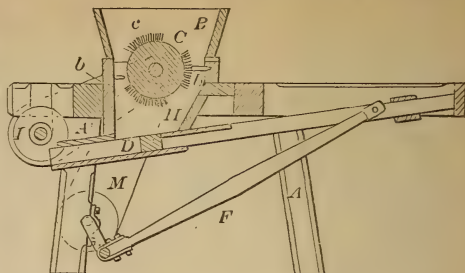
75761—A. Hubbell—For Hulling Grain.



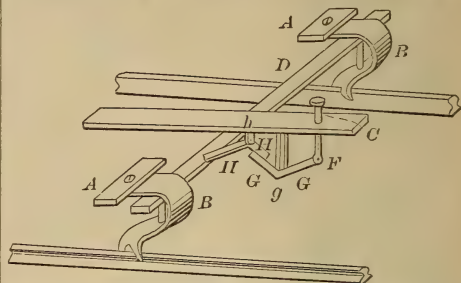
75762—W. C. Hunter—*Washing Machine.*



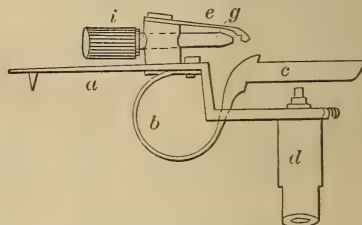
75763—C. W. Englis—*For Preparing Peat.*



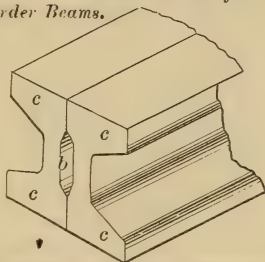
75764—J. W. A. Jones—*Street Railway Scraper.*



75771—C. Knisely—*Burglar Alarm.*



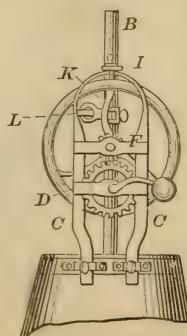
75770—A. Kloman—*Pile for Girder Beams.*



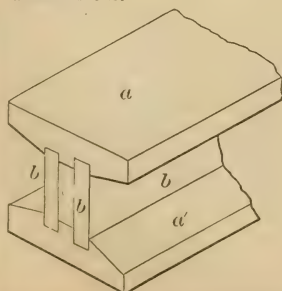
75768—N. Kirchner—*For Fastening Shoes.*



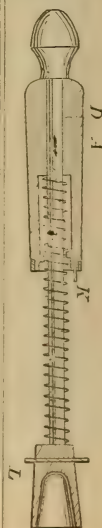
75772—W. Lamb—*Churn.*



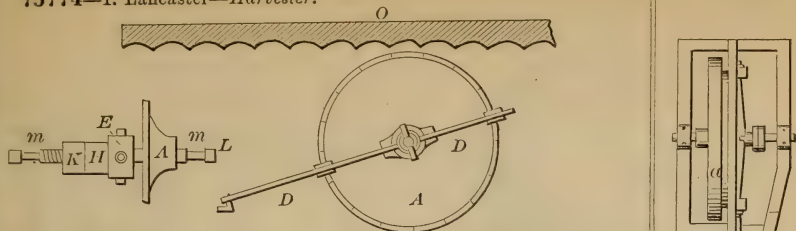
75769—A. Kloman—*Pile for Girder Irons.*



75767—E. W. Keyes—*Torpedo Toy Gun.*



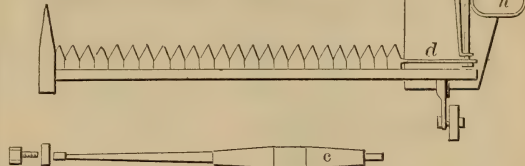
75774—I. Lancaster—*Harvester.*



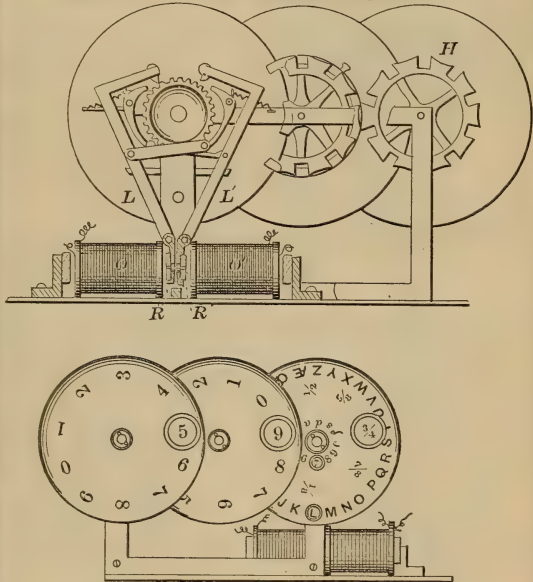
75779—G. I. Mason—*Heel Seat.*



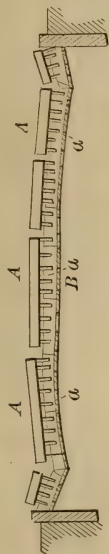
75773—I. Lancaster—*Harvester.*



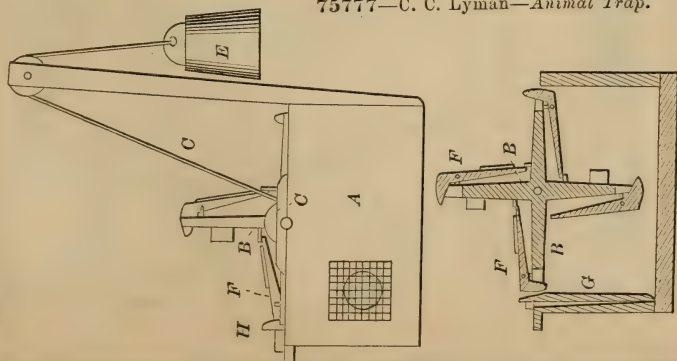
75775—S. S. Laws—*Signaling Apparatus.*



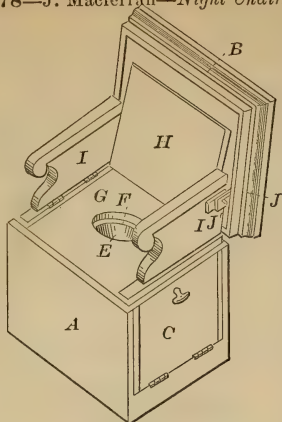
75780—H. McDougall—*Wooden Pavement.*



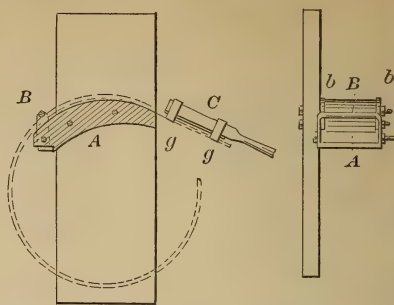
75777—C. C. Lyman—*Animal Trap.*



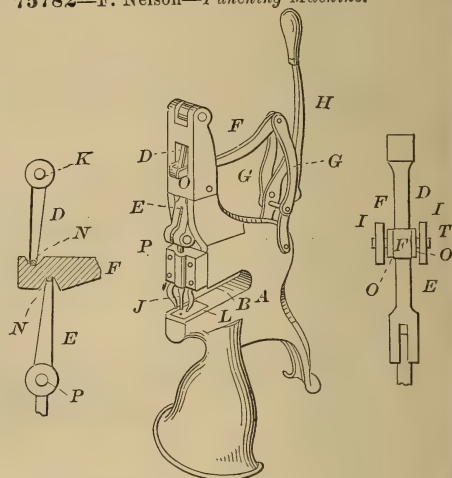
75778—J. Macferran—Night Chair.



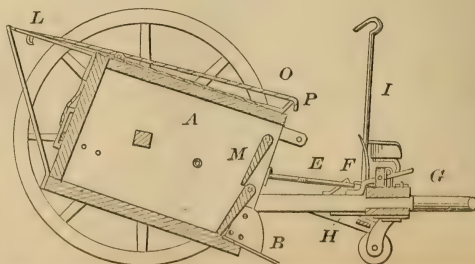
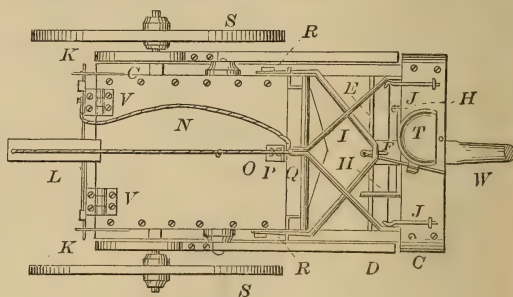
75781—J. Naylor—For Bending Tires.



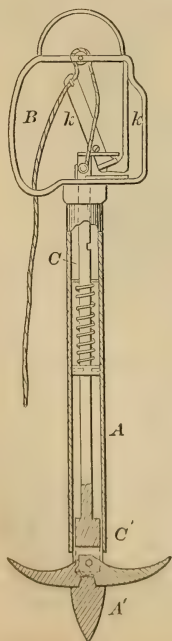
75782—F. Nelson—Punching Machine.



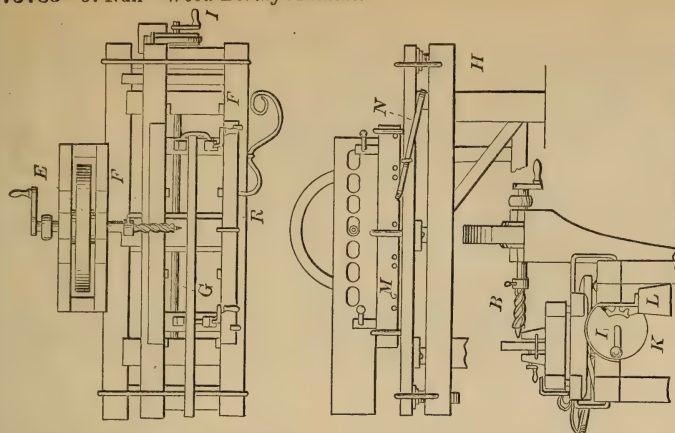
75783—W. T. Nichols—Excavator.



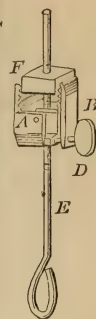
75785—O. Padlock—Horse Hay Fork.



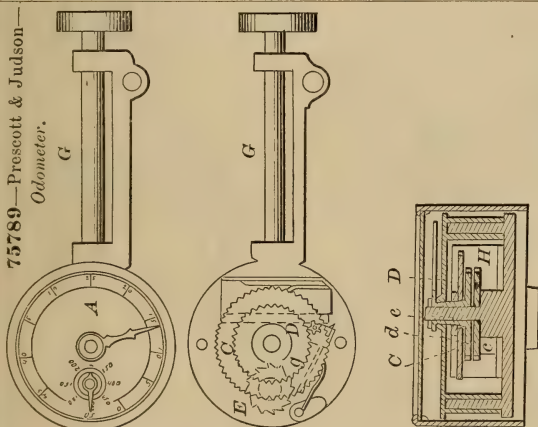
75785—J. Null—Wood Boring Machine.



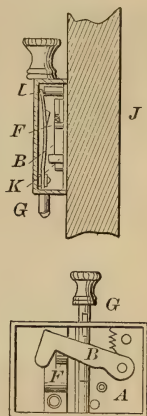
75784—B. S. Norris—Boot Crimping Screw.



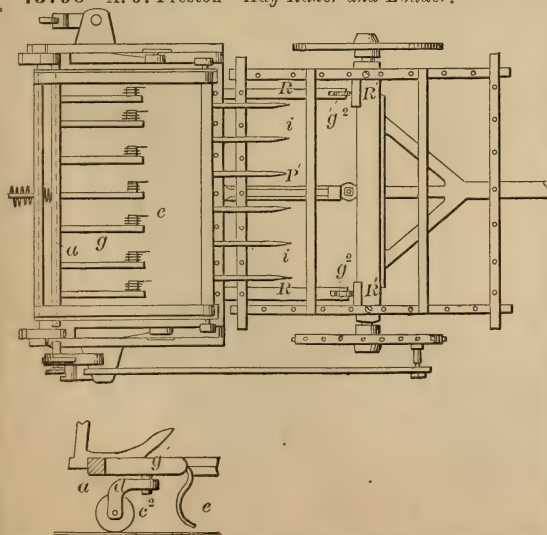
75789—Prescott & Judson—
Odometer.



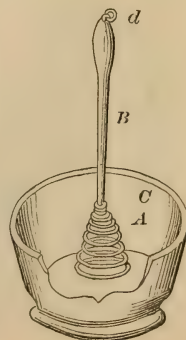
75788—Pipo & Walbaum—Slutter Fastening.

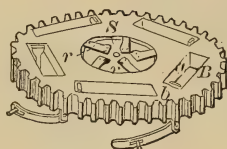
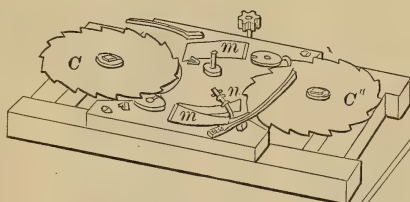
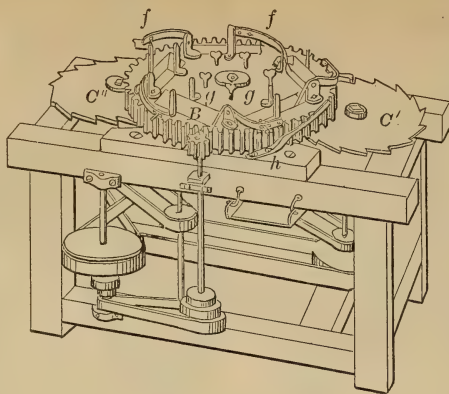
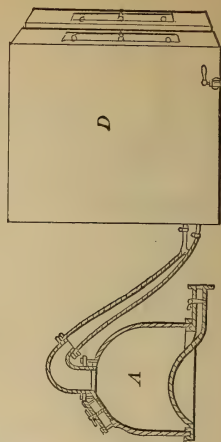
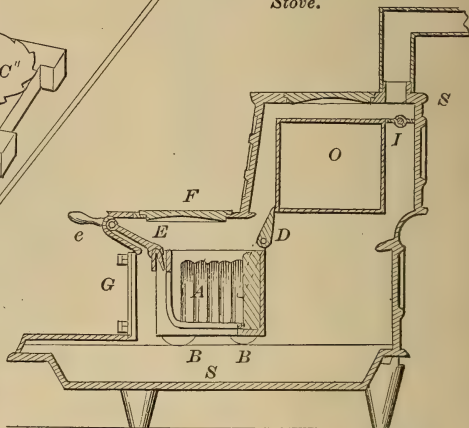
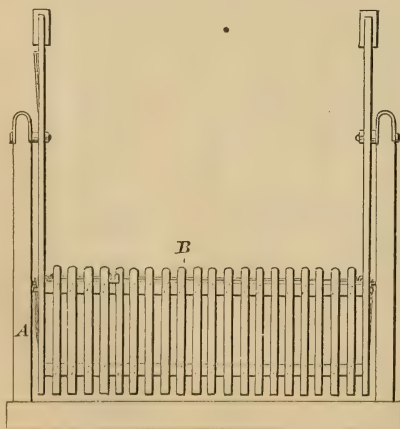
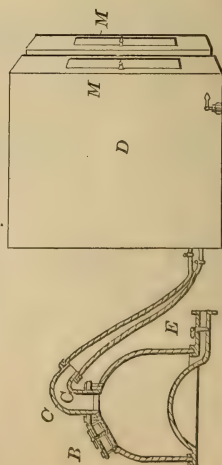


75790—A. J. Preston—Hay Raker and Loader.

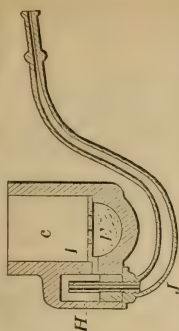


75787—W. H. Peirce—Egg Beater.

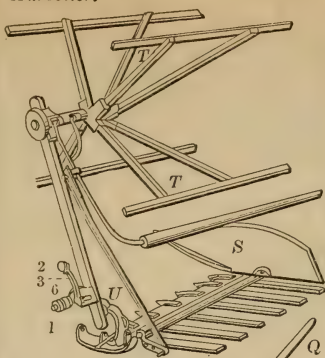


75793—A. G. Ritz—*Shingle Machine.*75794—L. S. Robbins—*Preserving Animal Skins.*75791—L. T. Pyott—*Cooking Stove.*75792—W. W. Riley—*Gate.*75795—L. S. Robbins—*Oiling Leather.*

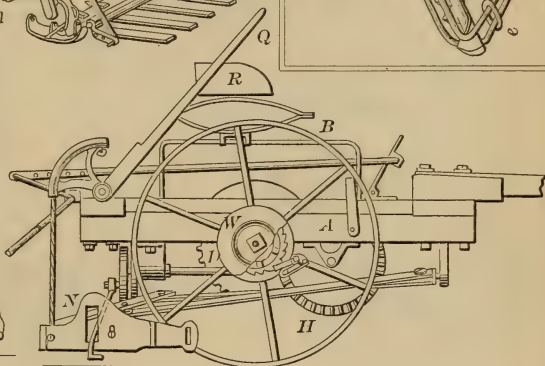
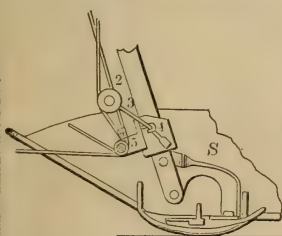
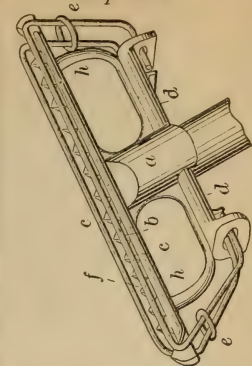
75799—F. Saunders—Smoking Pipe.



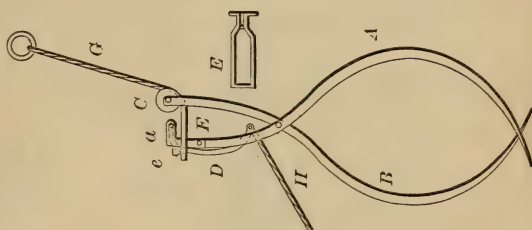
75797—Russell & Miller—Harvester.



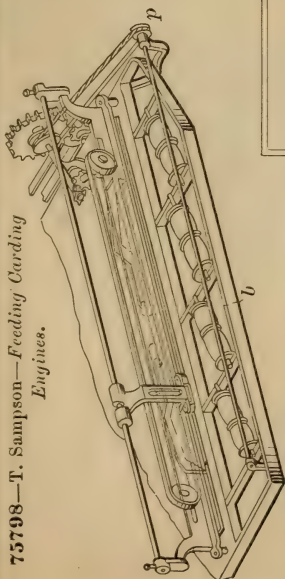
75796—W. A. Robinson—Mop Head.



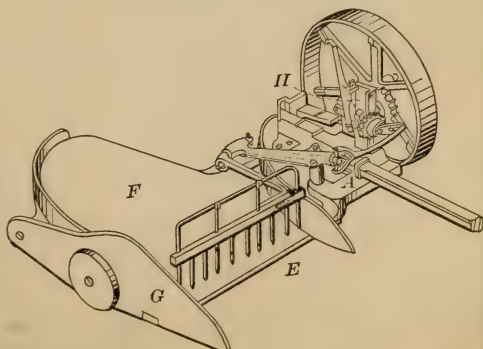
75800—W. Scholl—Horse Hay Fork.



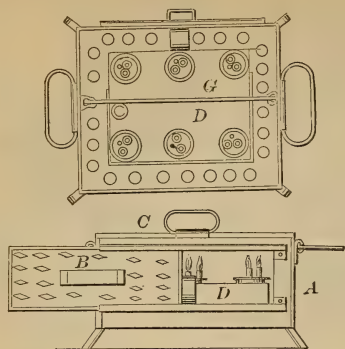
75798—T. Sampson—Feeding Carding Engines.



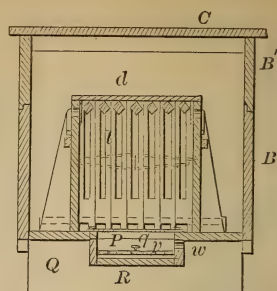
75801—Seymour & Palmer—Harvester. Rake.



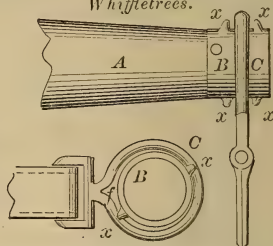
75802—E. Small—Heater, Lamp and Foot Warmer.



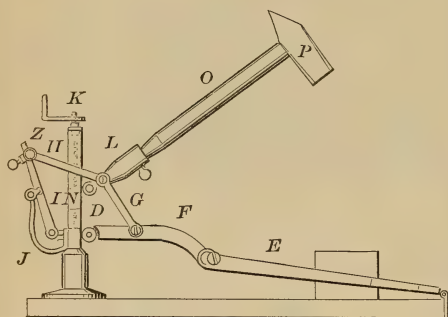
75804—M. S. Snow—Beehive.



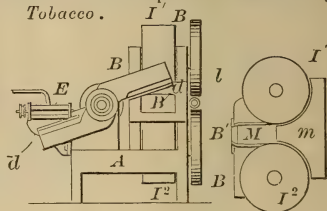
75803—S. Smith—Attaching Traces to Whiffletrees.



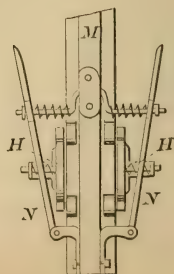
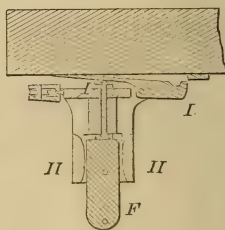
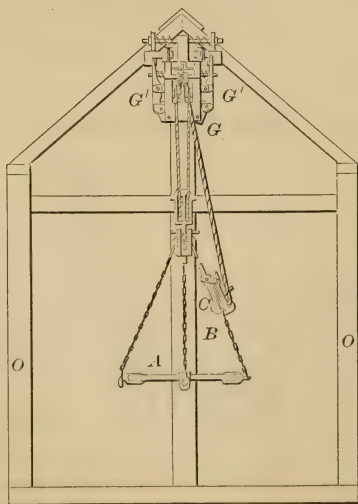
75808—A. Strube—Power Hammer.



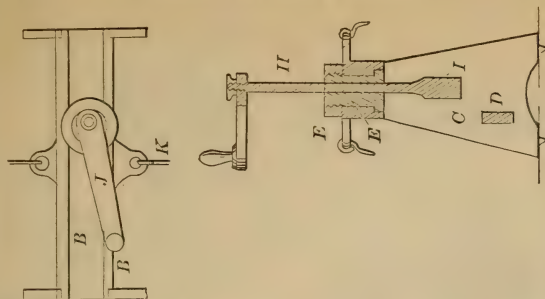
75805—L. W. Spencer—For Cutting Tobacco.



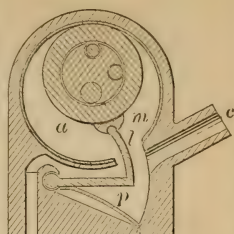
75810—J. B. Summerill—Hay Elevator.



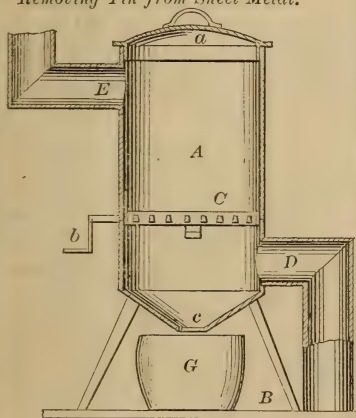
75813—J. B. Thorp—Wood Boring Machine.



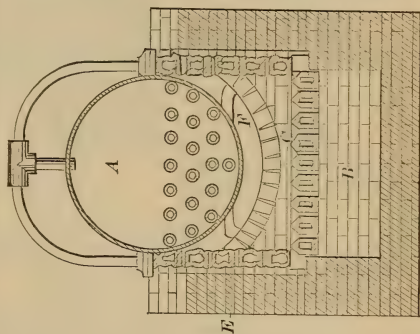
75811—J. A. Talpey—Rotary Pump.



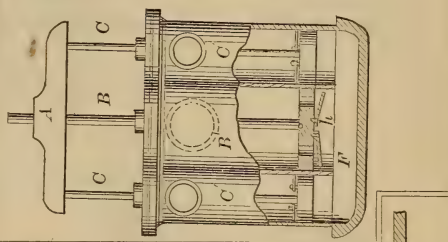
75809—Sturdevant & Harmon—Removing Tin from Sheet Metal.



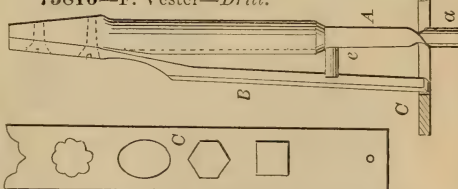
75817—R. L. Walker—Steam Boiler Furnace.



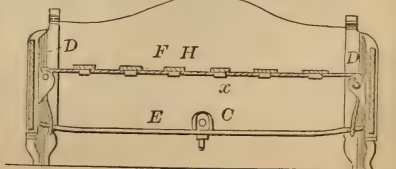
75819—S. White—Pump.



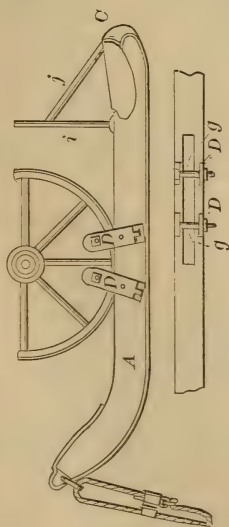
75816—F. Vester—Drill.



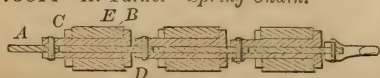
75820—J. D. Wilkinson—Bed Bottom.

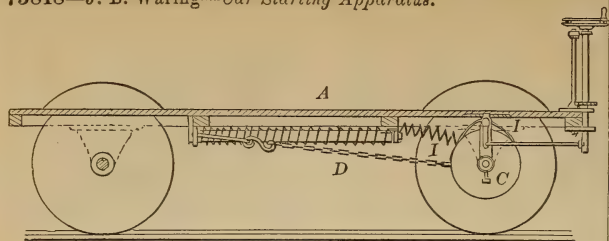
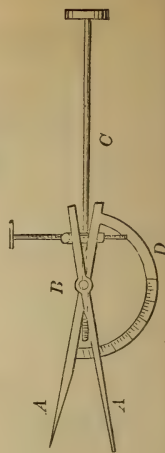
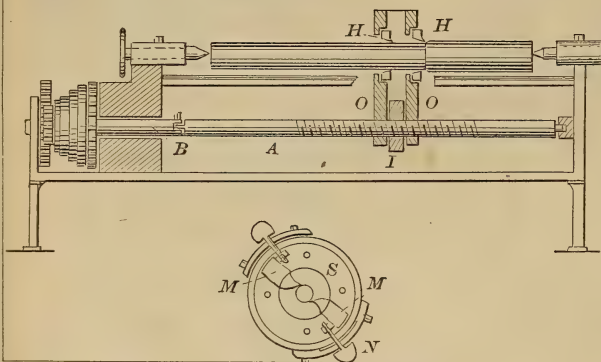
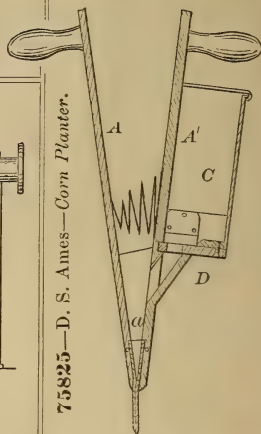
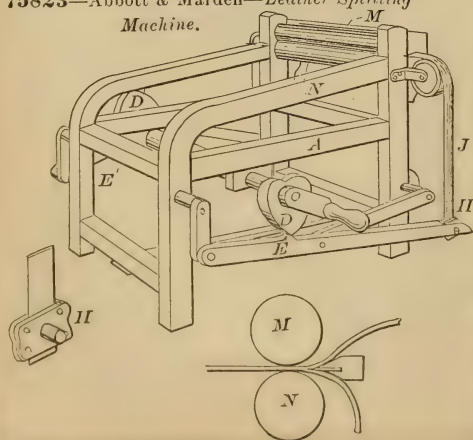
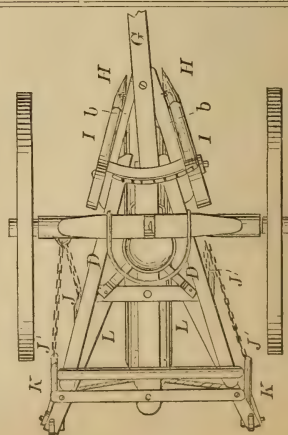


75812—B. Thompson—Runner for Wheeled Vehicles.

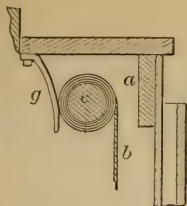


75814—H. Turner—Spring Chain.

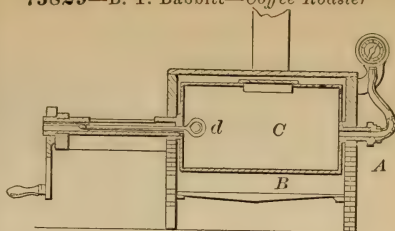


75818—J. B. Waring—*Car Starting Apparatus.*75824—Achelis & Poppenhusen—*For Measuring Distances.*75822—F. Zibell—*Turning Lathe.*75825—D. S. Ames—*Corn Planter.*75823—Abbott & Marden—*Leather Splitting Machine.*75826—B. Anyan—*Calculator.*

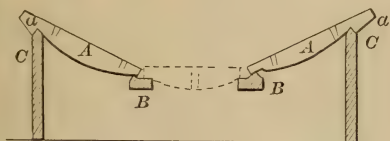
75821—A. Young—*Curtain Fixture.*



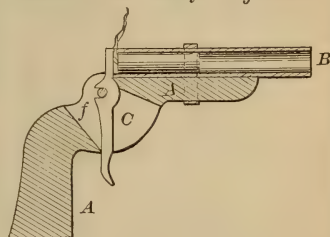
75829—B. T. Babbitt—*Coffee Roaster.*



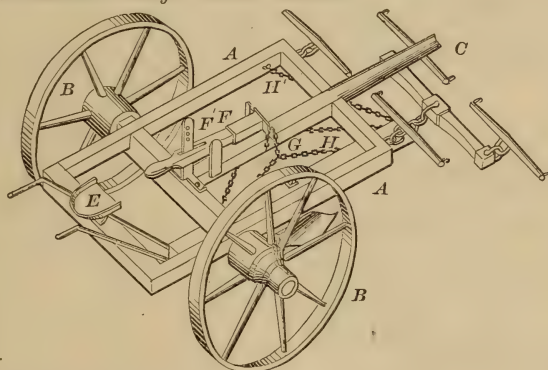
75830—J. L. Babbitt—*Gate.*



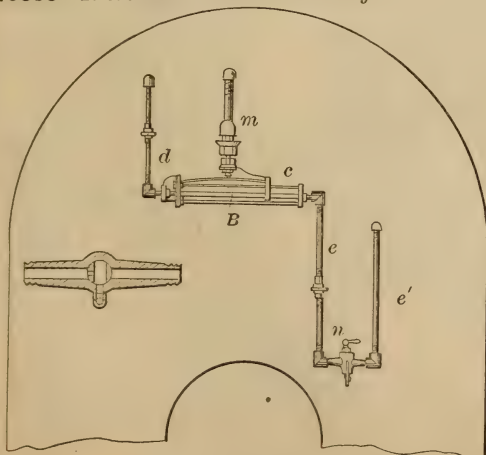
75831—J. W. Bailey—*Toy Pistol.*



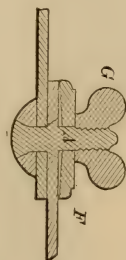
75832—C. N. Bakewell—*Sulky Plow and Harrow.*



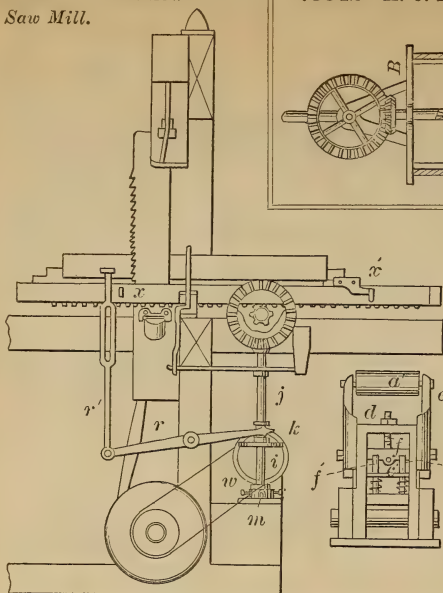
75833—T. C. Banks—*Boiler Alarm Gauge.*



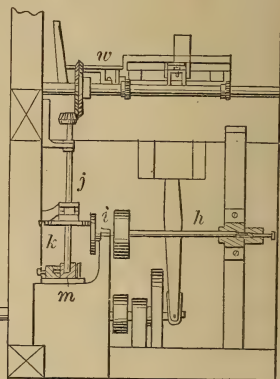
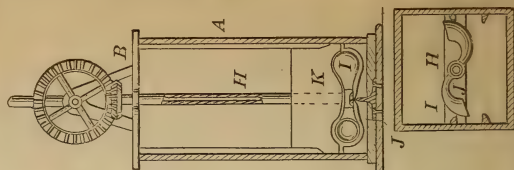
75827—J. Atkins—*Calipers.*



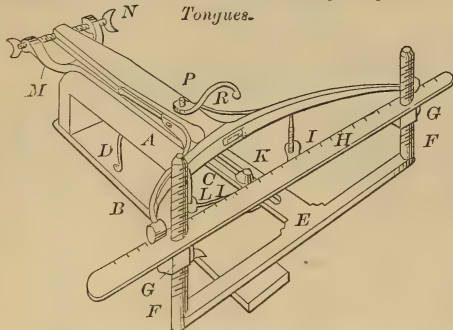
75834—A. P. Barlow—
Saw Mill.



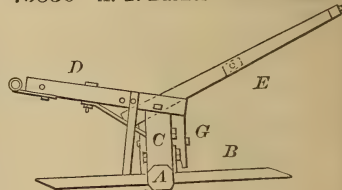
75842—H. C. Bell—*Churn.*



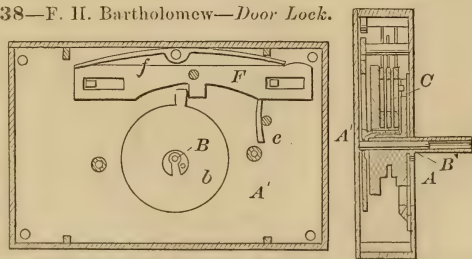
75840—A. J. Beach—*For Working Wagon
Tongues.*



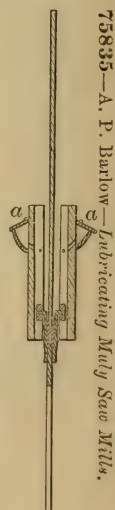
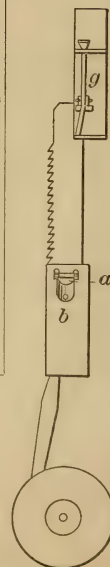
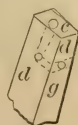
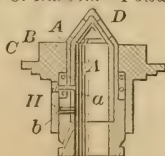
75836—A. T. Barnes—*Horse Rake.*



75838—F. H. Bartholomew—*Door Lock.*

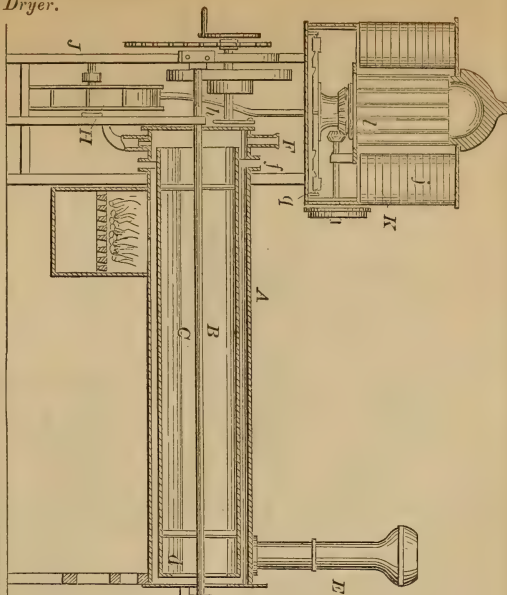
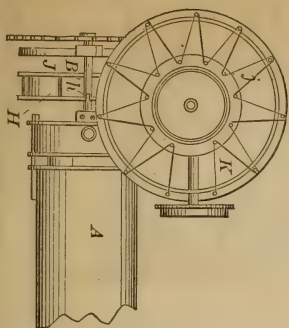


75839—H. C. Bascom—*Powder Flask
Charger.*

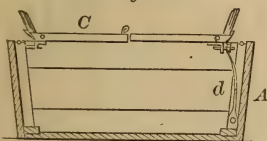


75835—A. P. Barlow—*Lubricating Muley Saw Mills.*

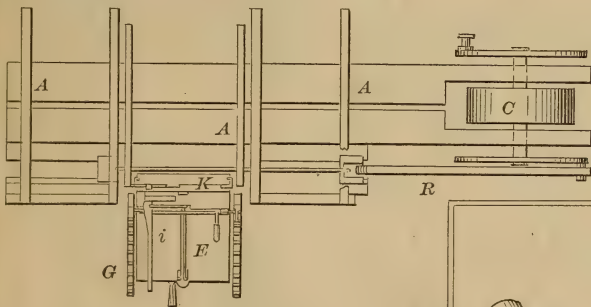
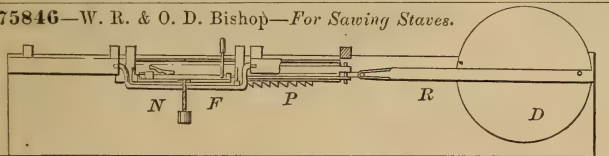
75844—Bingham & Hunt—Grain Dryer.



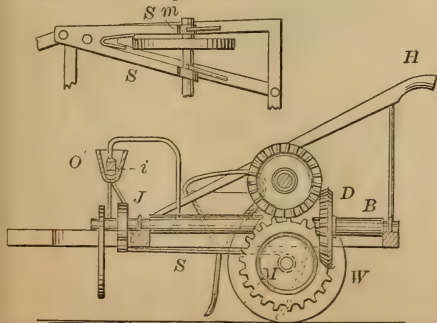
75841—S. N. Beecher—Carriage.
Sliding Seat.



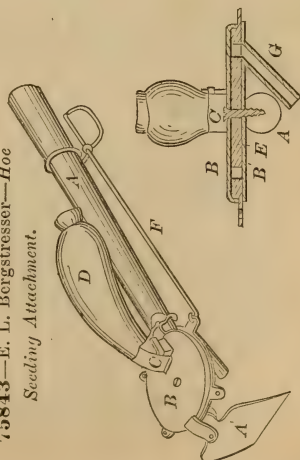
75846—W. R. & O. D. Bishop—For Sawing Staves.

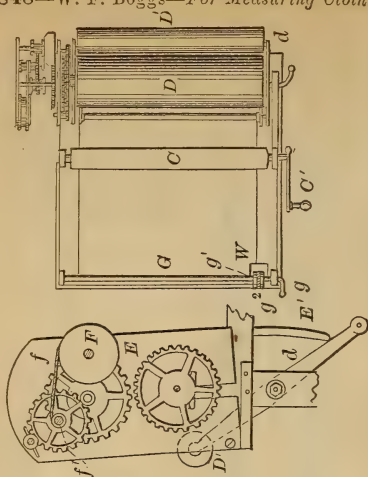
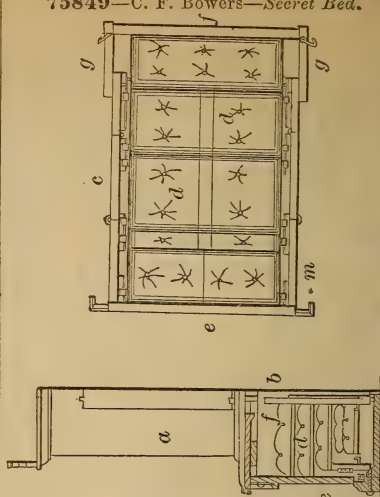
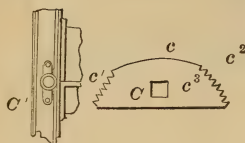
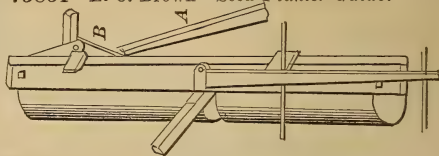
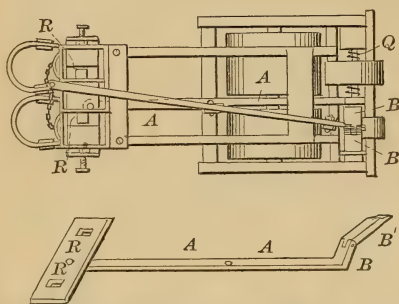
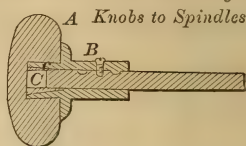
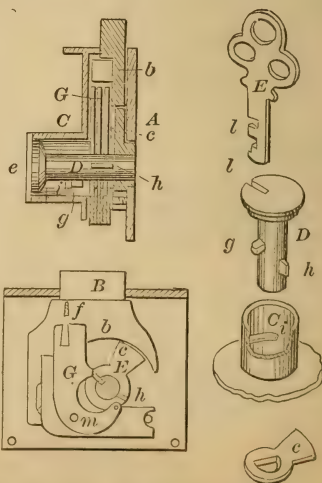
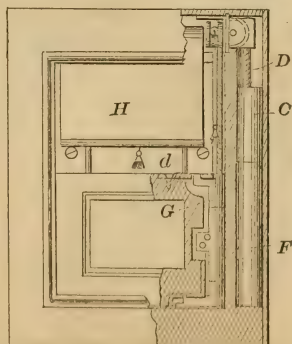


75845—L. Bishop—Cultivator and Seeder.

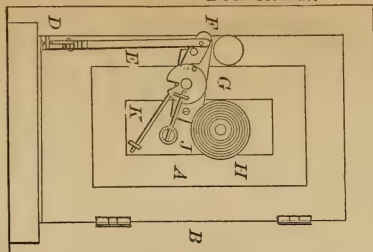
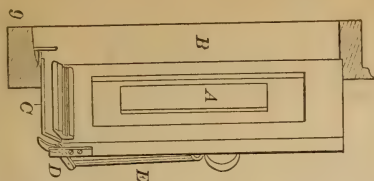


75843—E. L. Bergstressey—Hoe
Seeding Attachment.

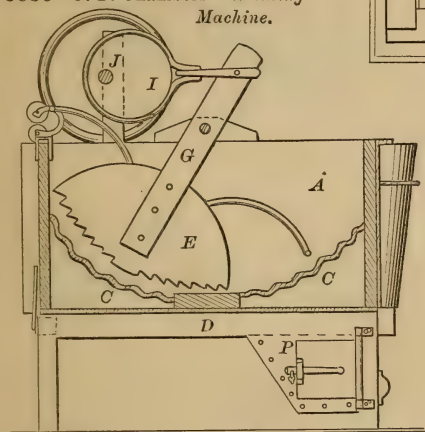


75848—W. F. Boggs—*For Measuring Cloth.*75849—C. F. Bowers—*Secret Bed.*75852—R. E. Buchanan—*Sash Stop.*75851—E. C. Brown—*Seed Planter Guide.*75850—E. C. Brown—*Corn and Seed Planter.*75847—W. Boeh—*Attaching Door*75854—A. G. Burton—*Drawer Lock.*75853—T. Bullivant—*Hanging Window Sashes.*

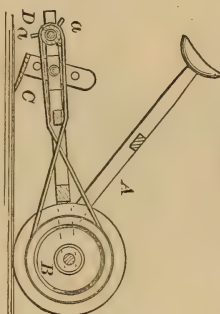
75857—G. W. Carpenter—Weather Strip and Door Alarm.



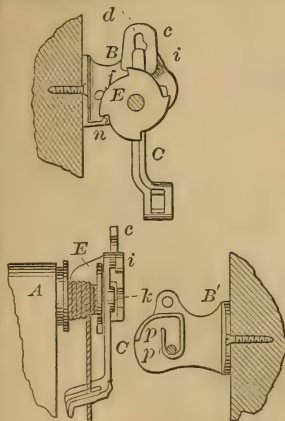
75859—J. F. Chambers—Washing Machine.



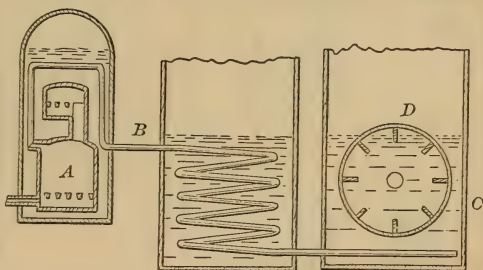
75858—N. & C. Carstens—Weeding Machine.



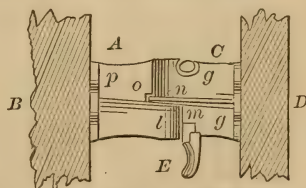
75860—J. Chase—Curtain Fixture.



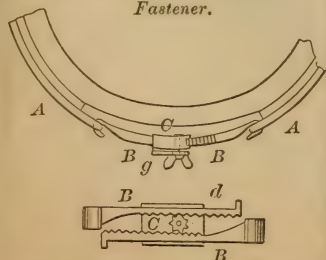
75861—W. W. Chipman—Manufacture of Whiting.



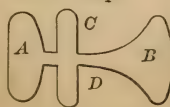
75862—C. B. Clark—Blind Hinge.



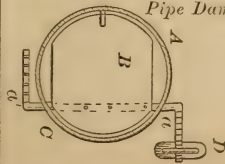
75864—E. A. Cooper—Hames Fastener.



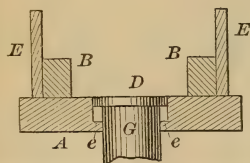
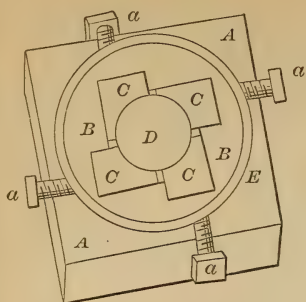
75856—W. B. Cargill—Corset Clasp.



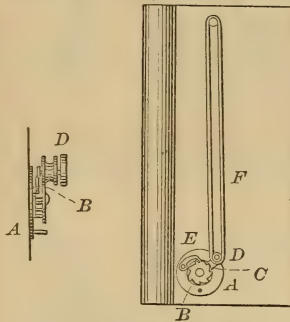
75863—A. Cotton—Stove Pipe Damper.



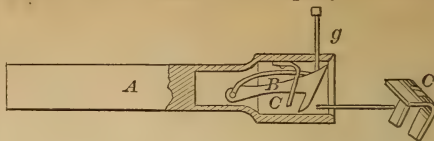
75865—C. Corbit—Mill Step.



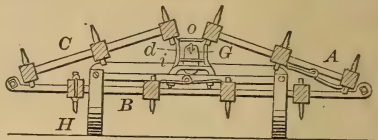
75869—T. Curley—Curtain Fixture.



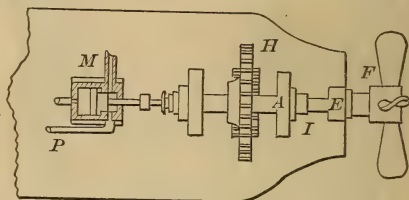
75866—S. H. Cowles—Car Coupling.



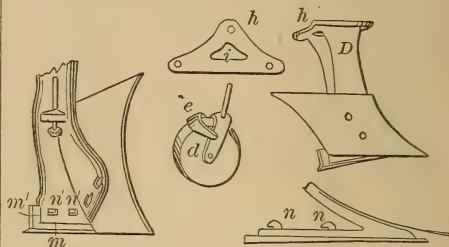
75867—I. Crum—Harrow.



75868—J. B. Cullen—Marine Steam Governor.



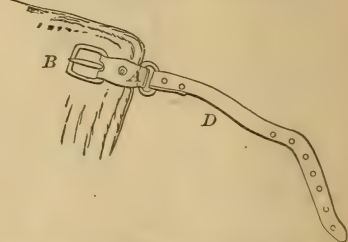
75871—G. J. Dahl—Gang Plow.



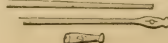
75876—B. Douglas—Toy Railroad.



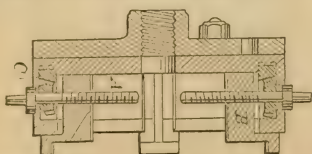
75877—F. H. Drake—Bag Fastener.



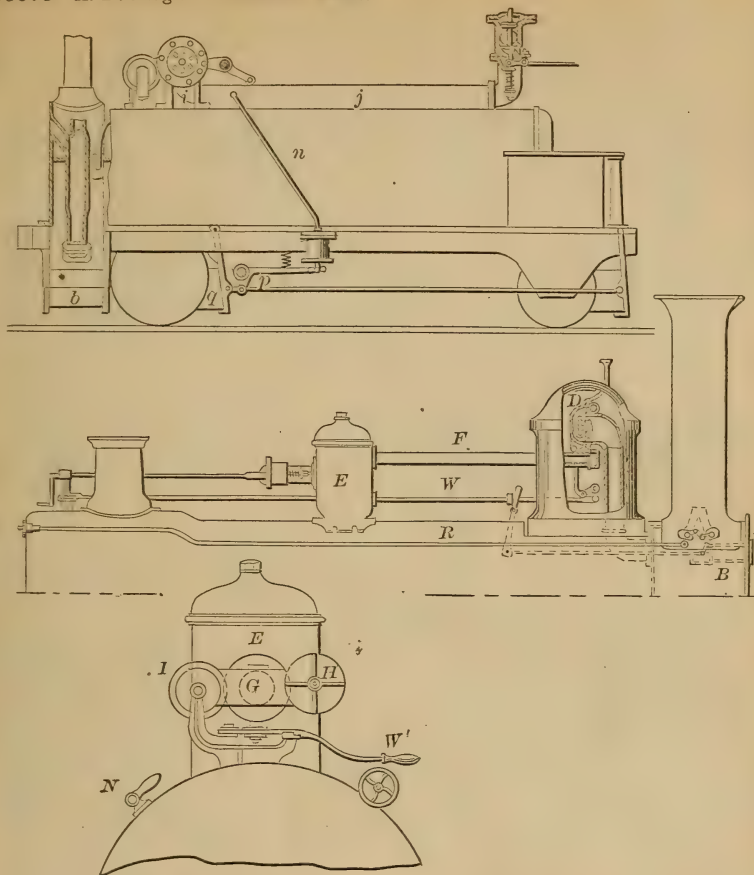
75875—J. M. Doubleday—Umbrella Frame.



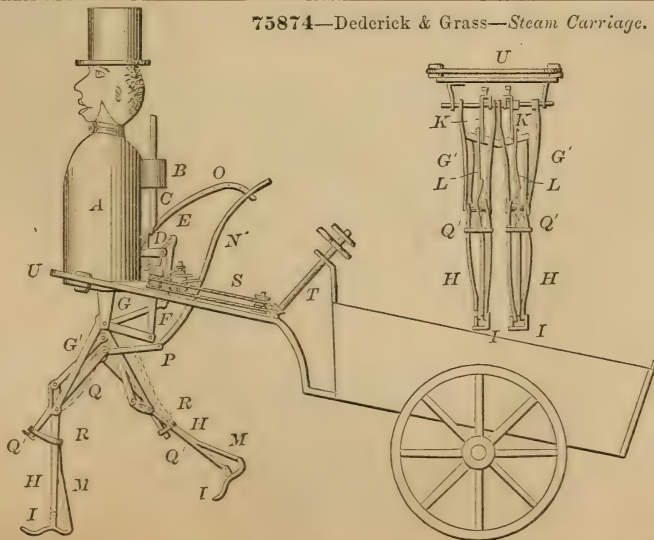
75872—F. Davison—Lathe Chuck.

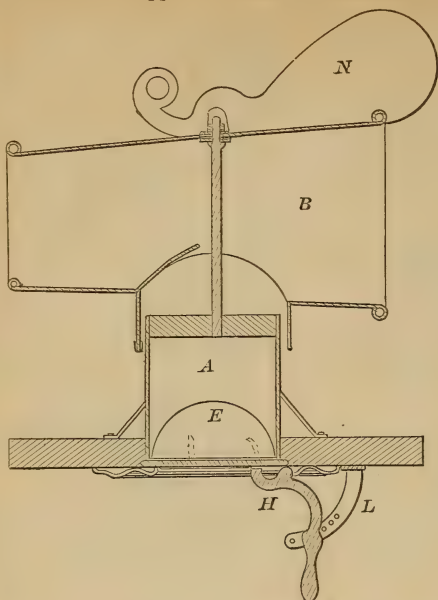
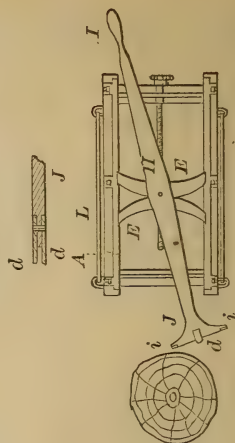
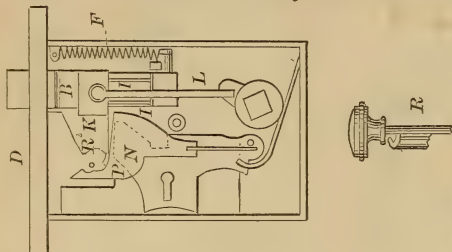
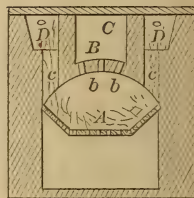
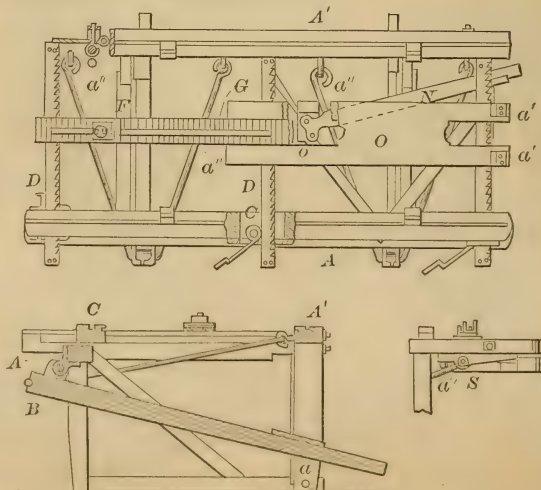


75873—A. De Bergue—Locomotive Brake.

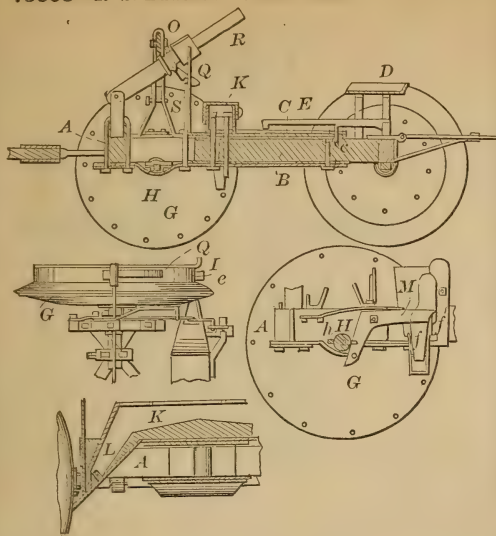


75874—Dederick & Grass—Steam Carriage.

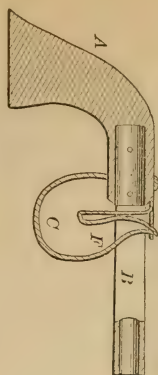


75878—I. Dripps—*Railroad Car Ventilator.*75882—A. Edwards—*For Felling Trees.*75879—S. W. Drowne—*Locking Knob Latch.*75881—Duryea & Ennis—*Furnace.*75880—E. F. Dunaway—*Door and Sash Clamp.*

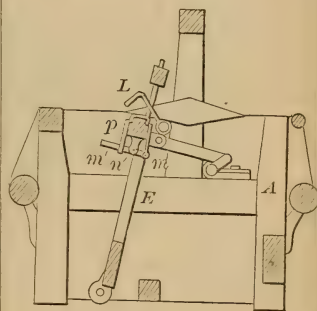
75883—R. S. Edwards—*Corn Planter.*



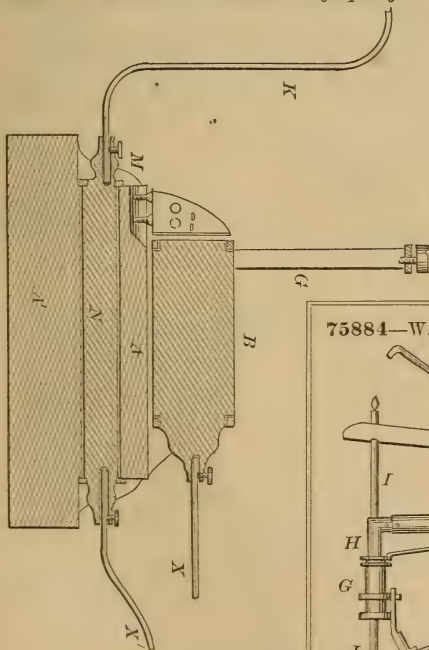
75885—W. H. Emory—*Toy Pistol.*



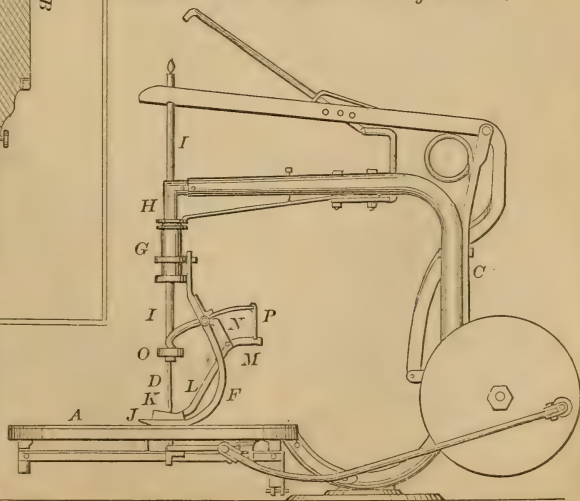
75888—J. C. Fifield—*Stop Motion for Looms.*



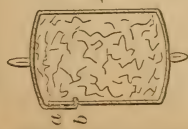
75886—L. H. Everitt—*Acoustic Telegraphing.*

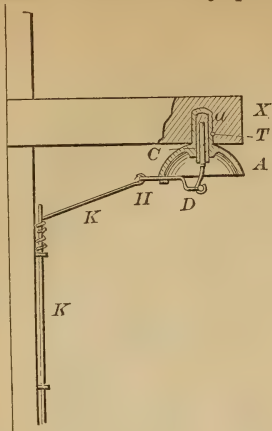
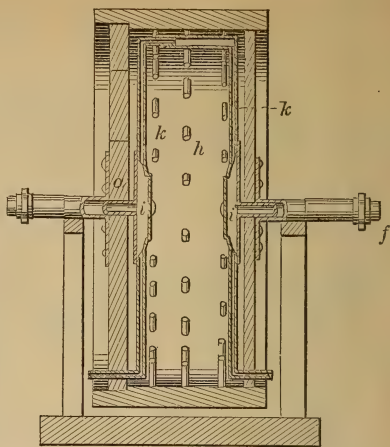
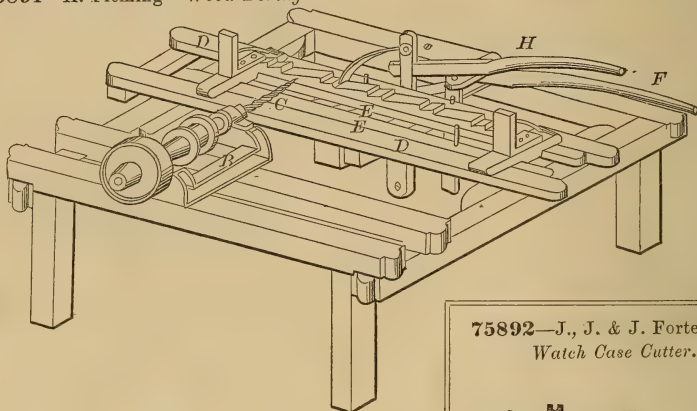
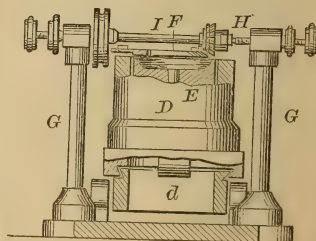
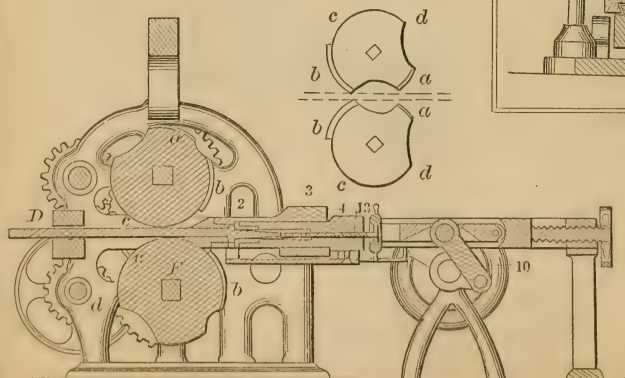


75884—W. St. G. Elliott—*Sewing Machine.*

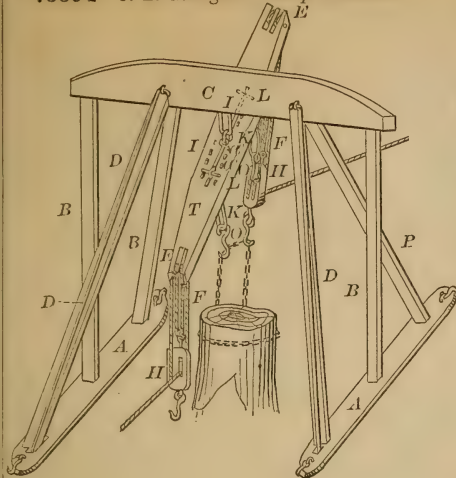


75887—M. Falk—*Packing Tobacco.*

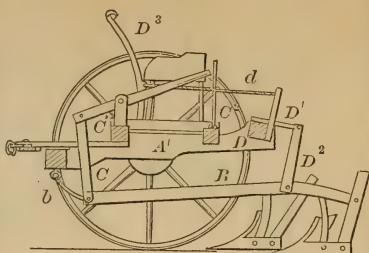


75889—J. L. Finn—*Telegraph Insulator.*75890—F. Fischer—*For Stuffing Leather.*75891—H. Fleming—*Wood Boring Machine.*75892—J., J. & J. Fortenbach—*Watch Case Cutter.*75893—B. W. Foster—*For Making Carriage Axles.*

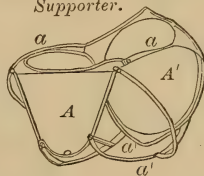
75894—C. E. Galligan—*Stump Extractor.*



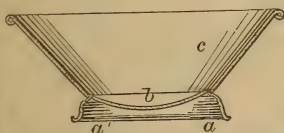
75895—Gatlin & Hubbard—*Gang Plow.*



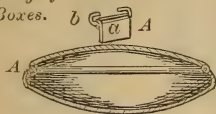
75902—E. J. Harding—*Uterine Supporter.*



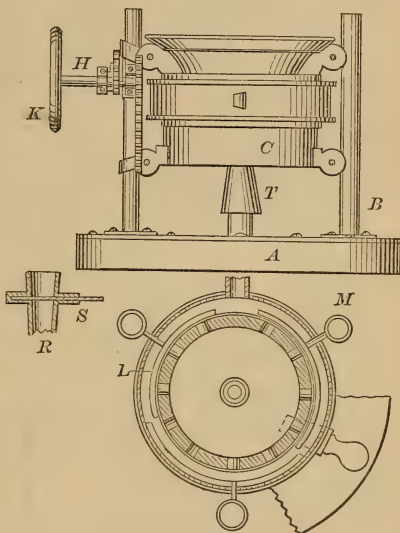
75896—Gilbert & Sofield—*Wash Bowl.*



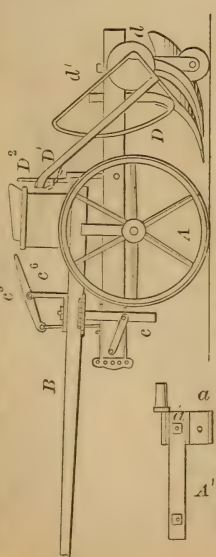
75903—C. J. Hauck—*Hinge for Sheet Metal Boxes.*



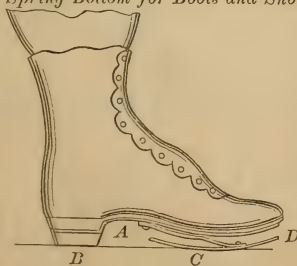
75899—Grunert & Bingham—*Flue Brazier.*



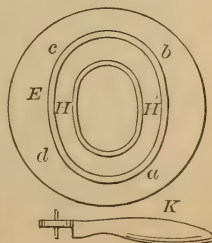
75901—W. E. Hardin—*Plow.*

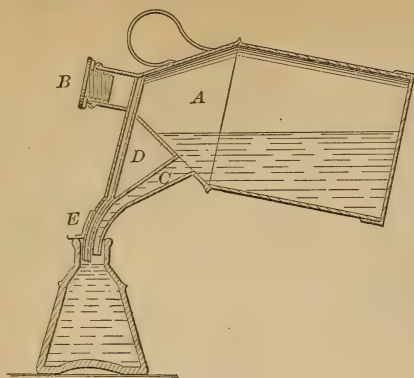
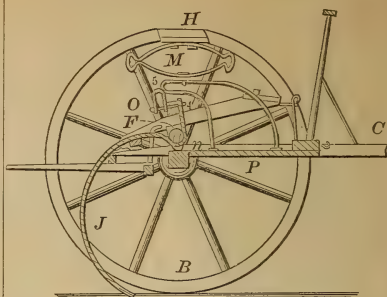
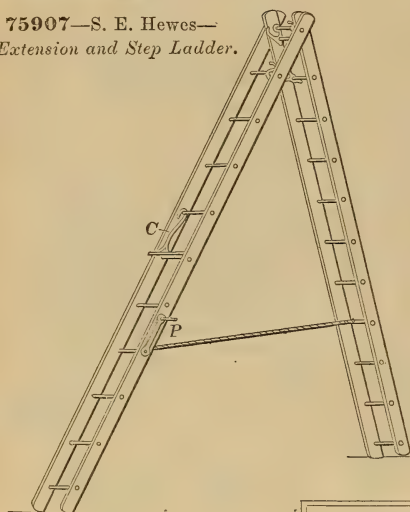
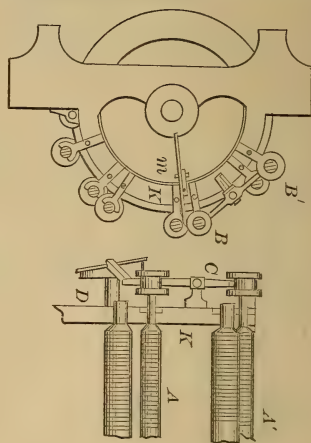
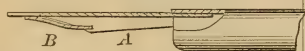
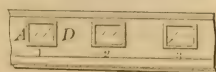
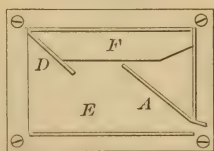
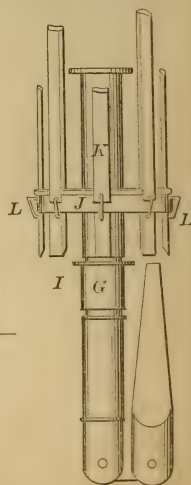
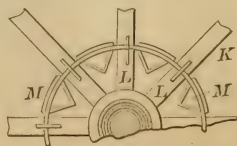
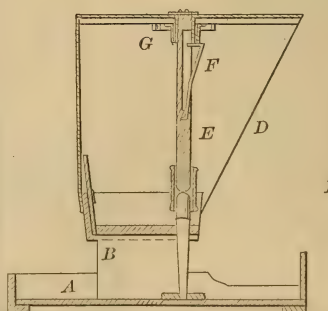


75900—Hale & Hubbell—*Spring Bottom for Boots and Shoes.*

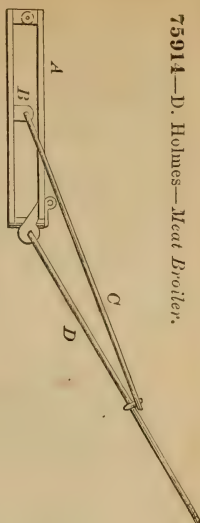
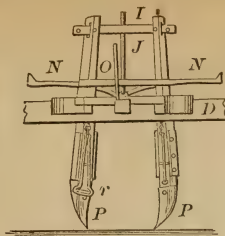
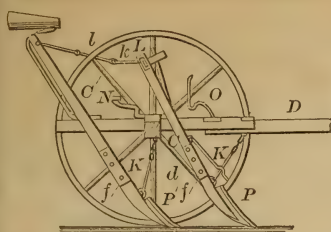


75897—F. R. Going—*For Shaping Hats.*



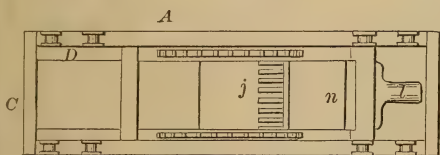
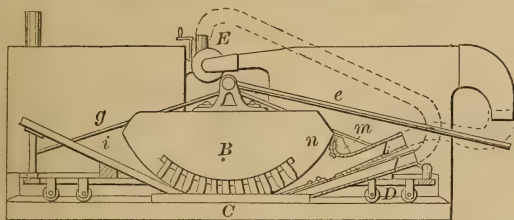
75904—C. J. Hauck—*Oil Can.*75905—H. R. Hawkins—*Horse Rake.*75907—S. E. Hewes—*Extension and Step Ladder.*75906—Haythorn & Martin—*Carding Machine.*75909—R. Hirst—*Pen.*75910—R. Hitchcock—*Car Ventilator.*75908—D. K. Hickok—*Carriage and Sleigh Top.*

75911—C. Hoagland—Cultivator.

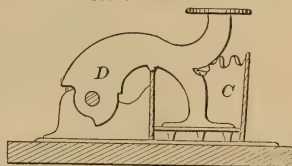


75914—D. Holmes—Meat Broiler.

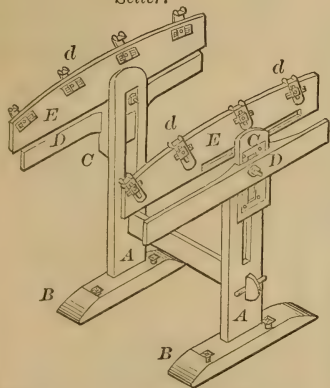
75912—F. E. Hoffmann—For Pulverizing Stone.



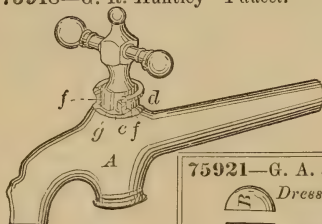
75913—Hollingsworth & Weever—Ice Crusher.



75916—H. C. Hoover—Carriage Bow Setter.



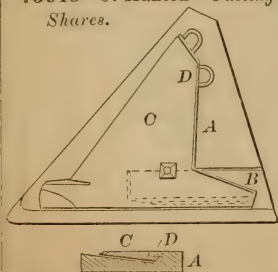
75918—G. R. Huntley—Faucet.



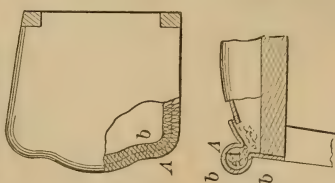
75921—G. A. Johnson—Dress Trimming.



75919—J. Hunton—Casting Plow Shares.

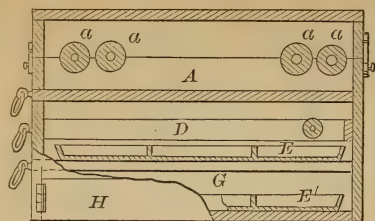
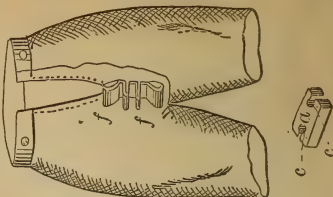
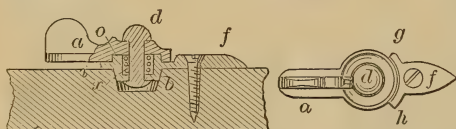
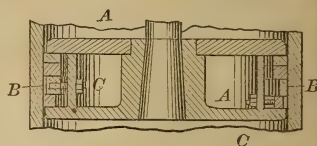
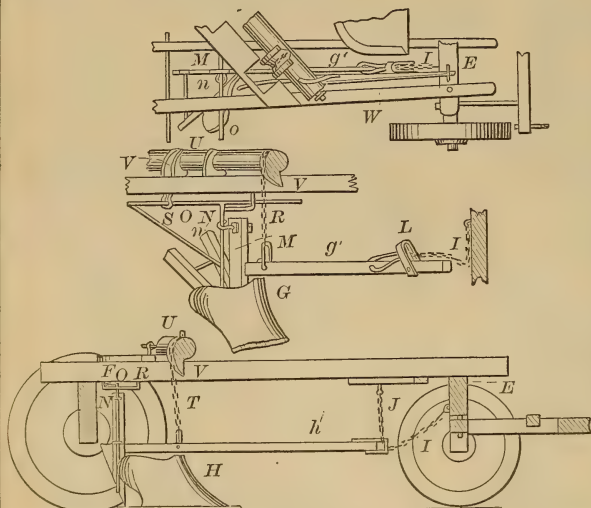
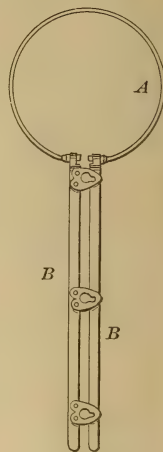
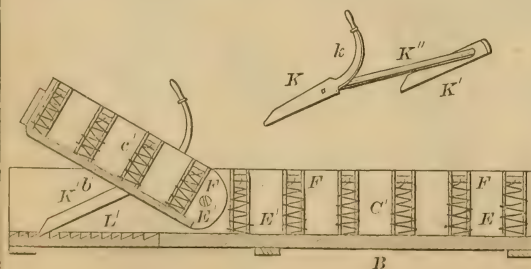
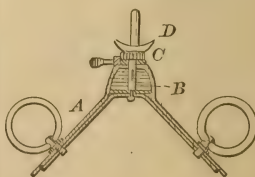


75920—F. Hiltwohl—Furniture Edge.

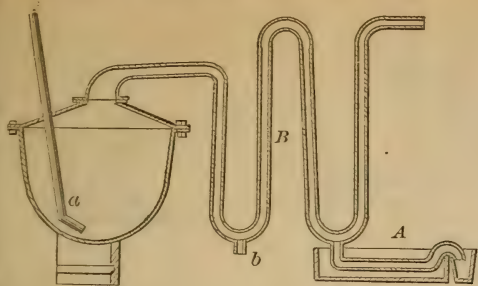


75917—G. W. Huffnagle—Oyster Knife.

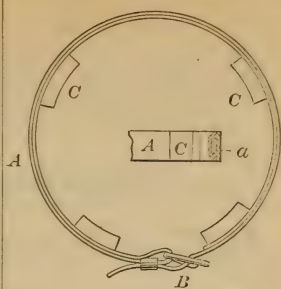


75922—M. A. Jones—*Bread Making Machine.*75924—Judson & Lynch—*Fastening Wearing Apparel.*75923—M. Judd—*Sash and Door Button.*75927—J. King—*Piston Packing.*75925—J. L. Keasor—*Gang Plow.*75928—W. King—*Fur Collar.*75926—A. W. Kendrick—*Bed Bottom.*75930—R. M. La Rue—*Saddle and Harness.*

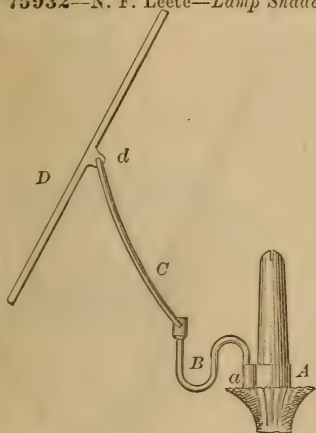
75929—O. Laist—*Manufacture of Glycerine.*



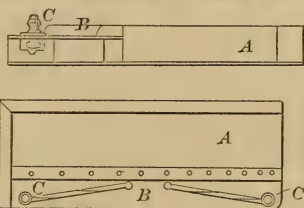
75931—J. A. Latham—*Garter*.



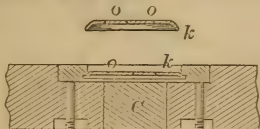
75932--N. F. Leete--*Lamp Shade.*



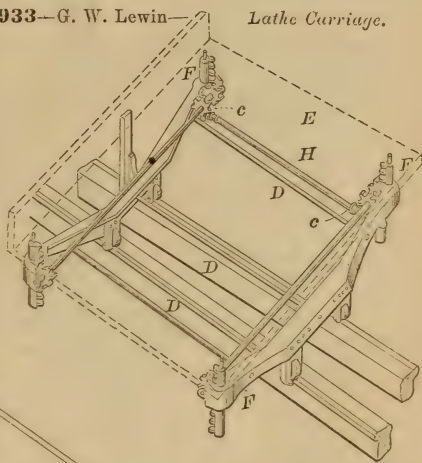
75935—H. E. Long—*Printers' Galley.*



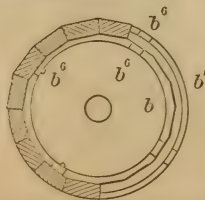
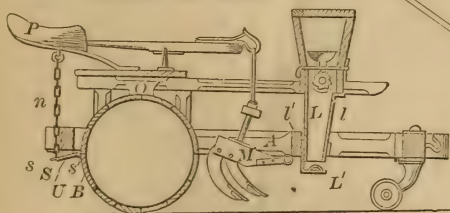
75934—E. A. Locke—*Cash Label.*



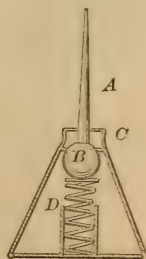
75933—G. W. Lewin— *Lathe Carriage.*



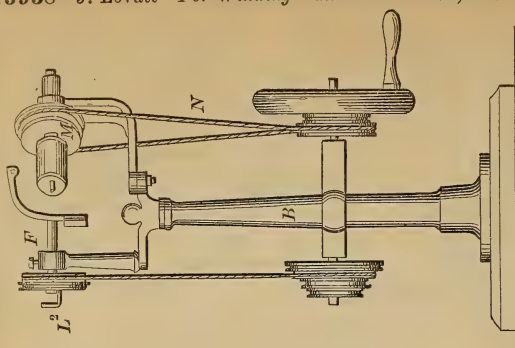
75936—J. P. Long—*Broadcast Seeder, Cultivator and Roller.*



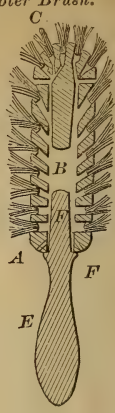
75937—T. C. Longton—*Oil Cup.*



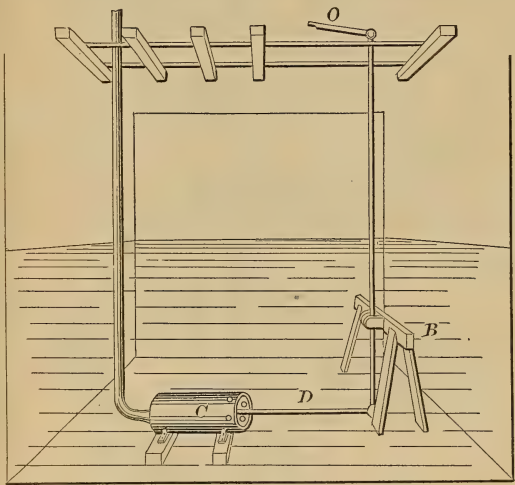
75938—J. Lovatt—For Winding Button Hole Twist, &c.



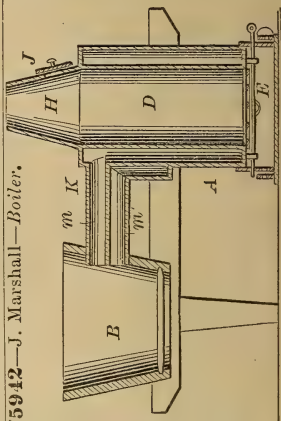
75940—H. Lumbard—Tumbler Brush.



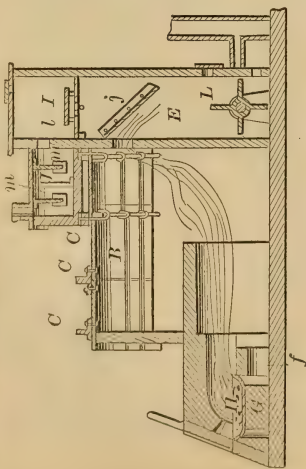
75939—S. Love—For Filling Railroad Tanks with Water.



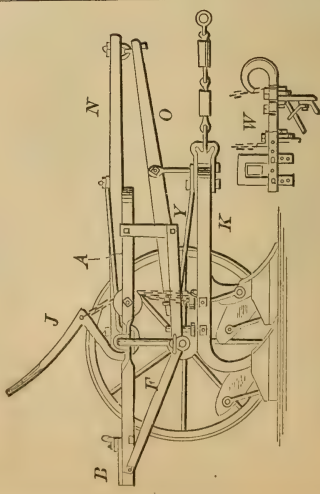
75942—J. Marshall—Boiler.



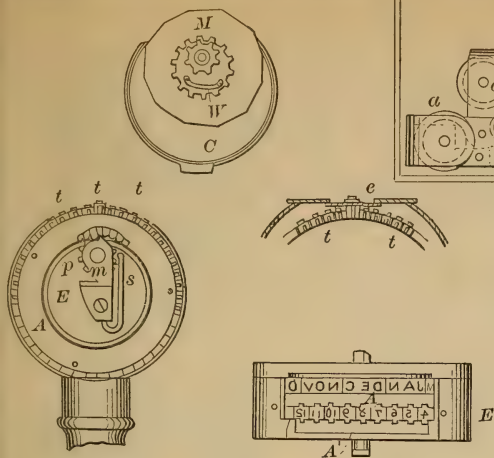
75943—M. Matlack—Manufacture of Lamp Black.



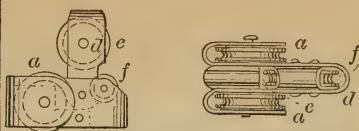
75941—I. B. Mahon—Cultivator and Gang Plow.



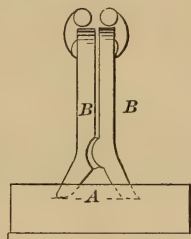
75945—Merriam & Luce—Hand Stamp.



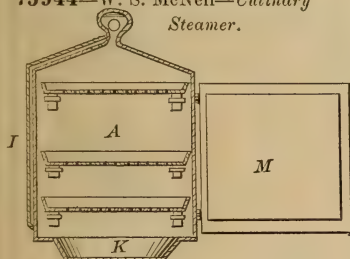
75946—D. L. Miller—Pulley for Hoisting Apparatus.



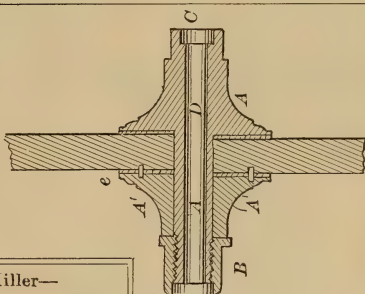
75949—T. S. Minniss—Sad Iron Handle.



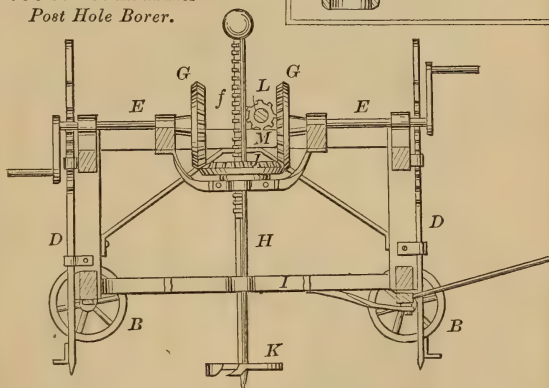
75944—W. S. McNeil—Culinary Steamer.



75948—Minor & Ward—Carriage Hub.

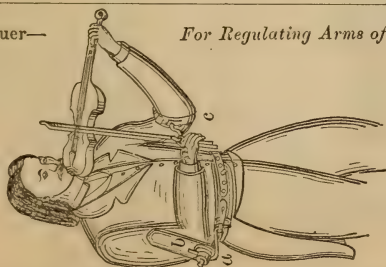


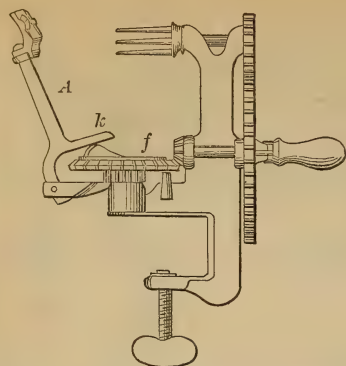
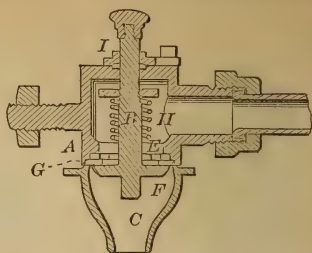
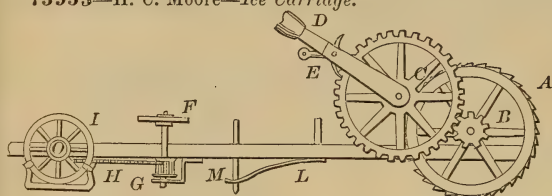
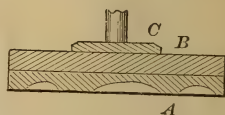
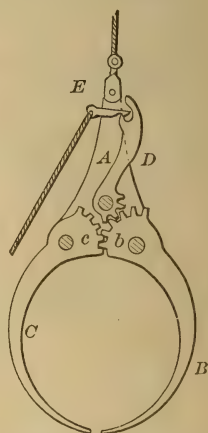
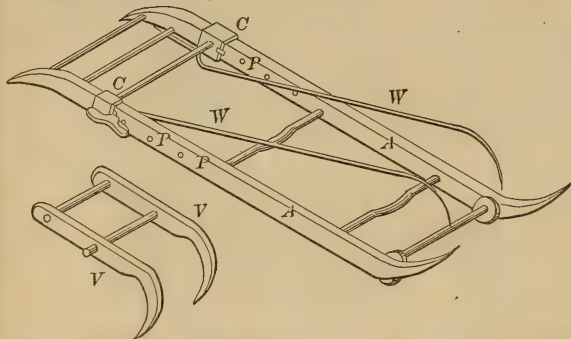
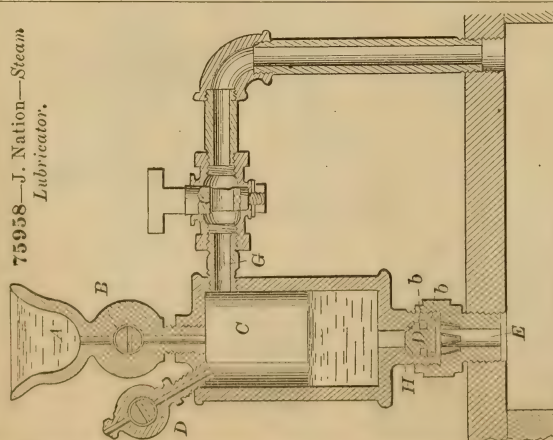
75947—J. K. Miller—Post Hole Borer.



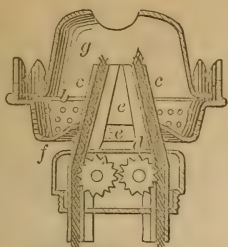
75950—E. Mollenhauer—

For Regulating Arms of Violin Players.

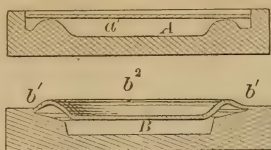


75951—J. F. & E. P. Monroe—*Apple Parer.*75952—G. R. Moore—*Water Pipe Valve.*75953—H. C. Moore—*Ice Carriage.*75957—L. Murr—*Printing Cloth.*75956—P. A. Mowers—*Horse Hay Fork.*75954—A. F. Morey—*Barrel Truck.*75958—J. Nation—*Steam Lubricator.*75955—J. Mosley—*Pocket Knife.*

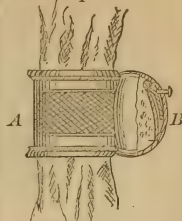
75959—H. K. Needham—*Lamp Burner.*



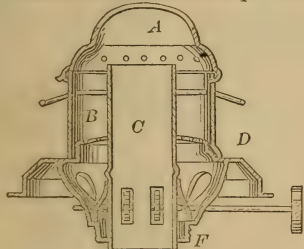
75961—Neuberger & Illig—*For Stamping Tin Ware.*



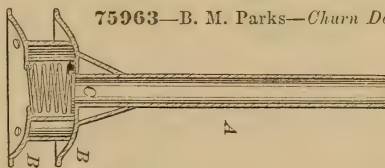
75968—G. Pine—*Napkin Ring and Salt Cup.*



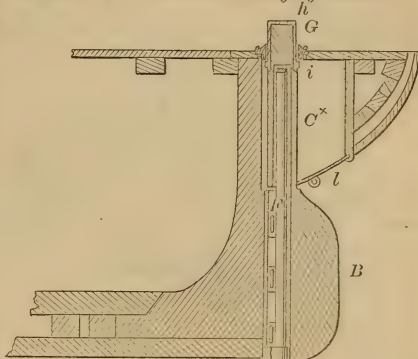
75960—G. Neilson—*Lamp Burner.*



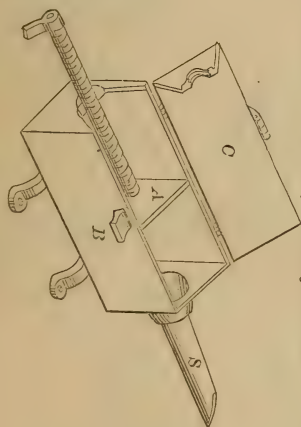
75963—B. M. Parks—*Churn Dasher.*



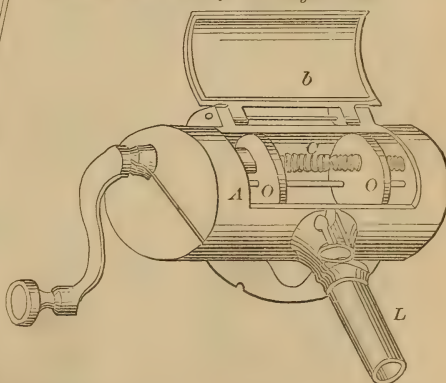
75964—H. H. Pember—*Hanging Rudders.*



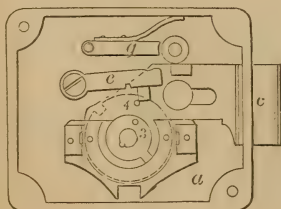
75965—J. G. Perry—*Sausage Filler.*



75966—J. G. Perry—*Sausage Filler.*



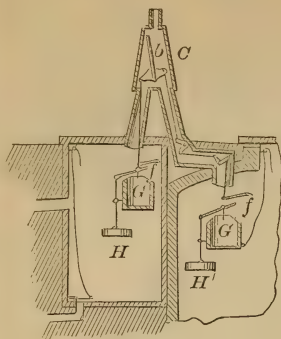
75967—O. E. Pillard—*Permutation Lock.*



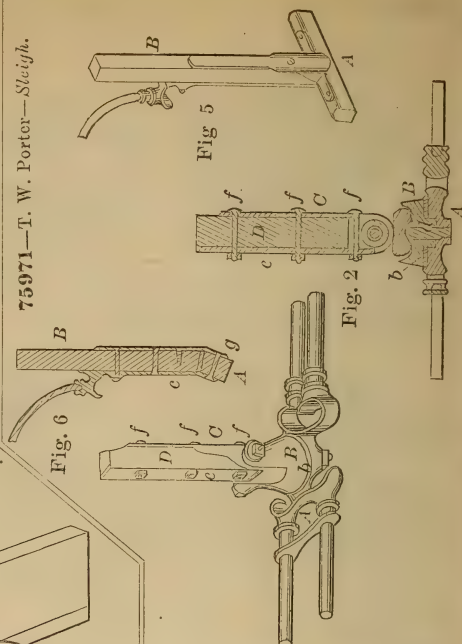
75962—S. B. Parker—*For Fastening Shoe Strings.*



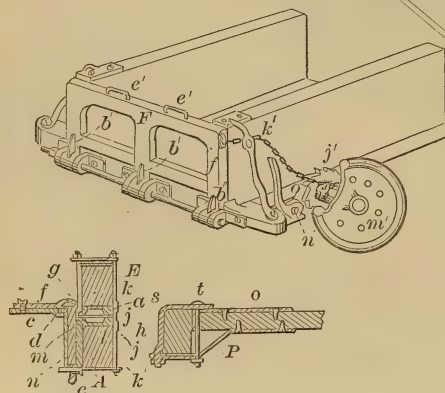
75969—S. H. Plumb—Automatic Feeder and Cut-off.



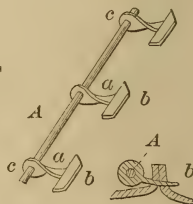
75971—T. W. Porter—Sleigh.



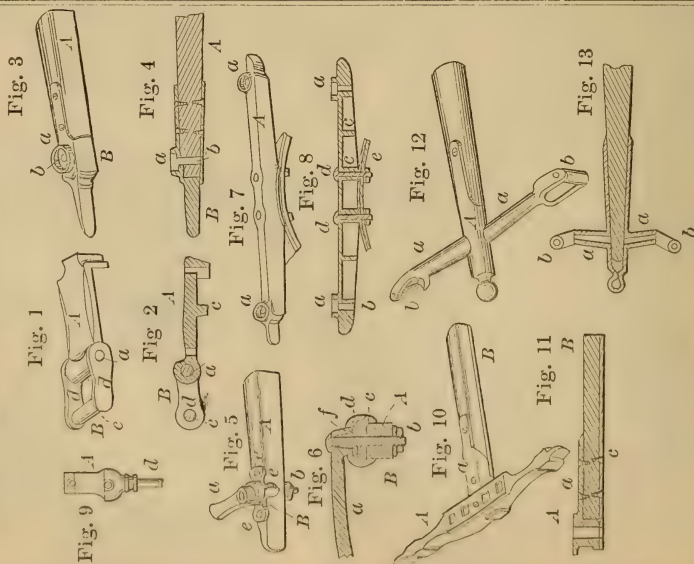
75972—T. W. Porter—Express Wagon.



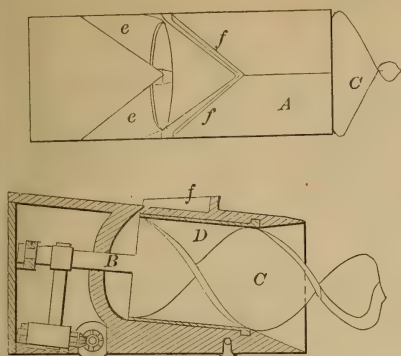
75970—T. W. Porter—Belt Clasp.



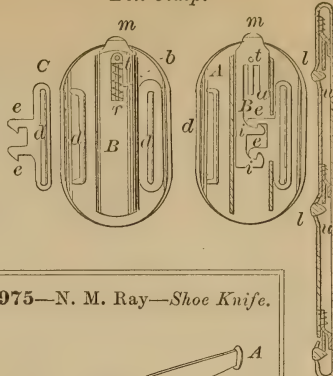
75973—T. W. & H. K. Porter—Carriage



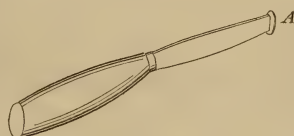
75979—E. Robbins—*Railway Snow Plow.*



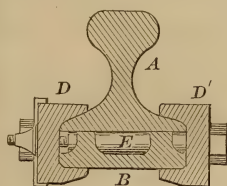
75976—J., S. A., G. E. & F. F. Reading—*Belt Clasp.*



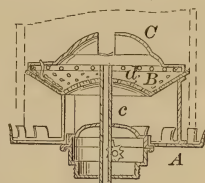
75975—N. M. Ray—*Shoe Knife.*



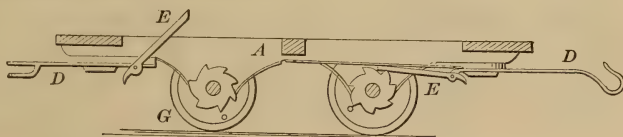
75977—S. J. Reeves—*Railway Rail Joint.*



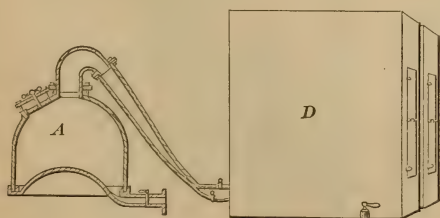
75978—E. B. Requa—*Lamp Burner.*



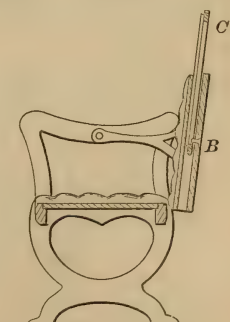
75981—L. Rodenhausen—*Car Starter.*

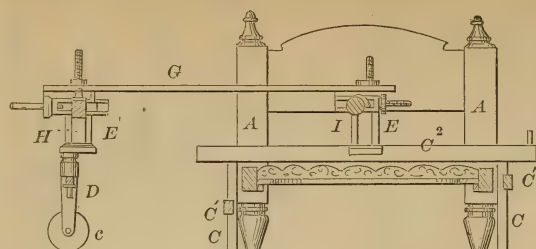
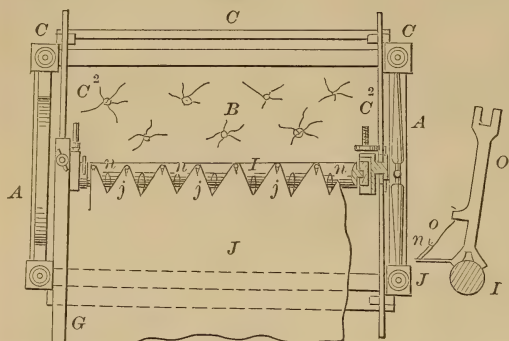
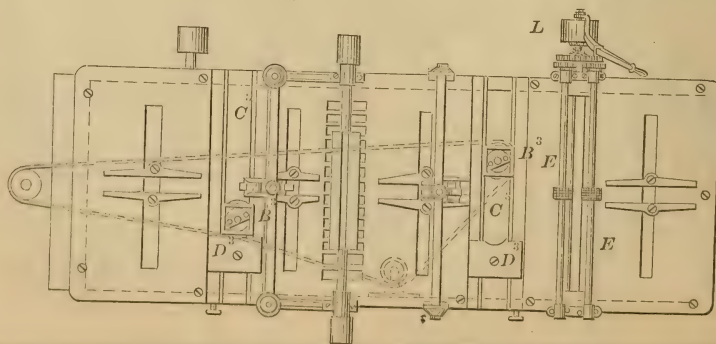
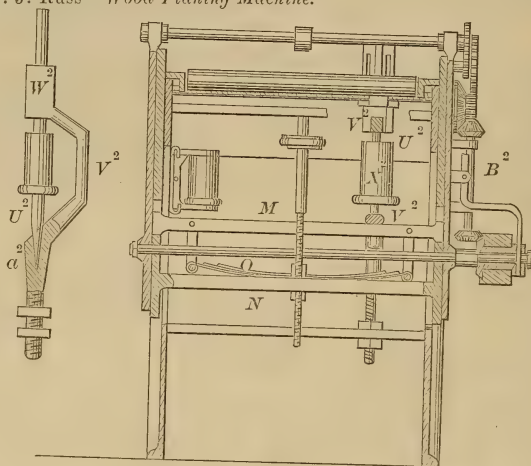


75980—L. S. Robbins—*For Cleaning Wool, &c.*

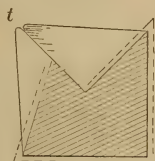
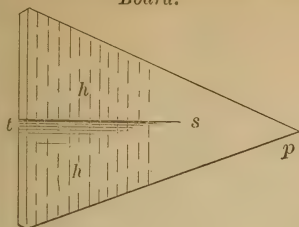


75982—C. Rowland—*Car Seat.*

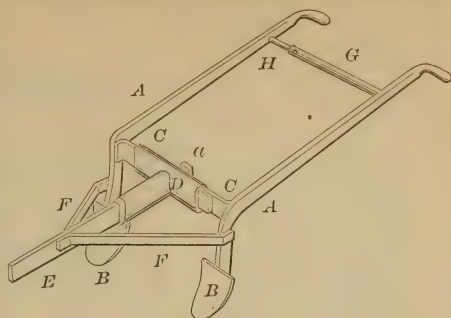


75983—Rowles & Russell—*Invalid Bedstead.*75985—W. Serviss—*For Soldering Tin Cans.*75986—F. E. Sessions—*Hardening Iron and Steel.*75984—J. J. Russ—*Wood Planing Machine.*

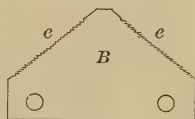
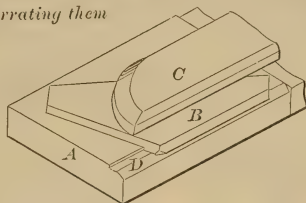
75987—J. Seymour—*Plow Mould Board.*



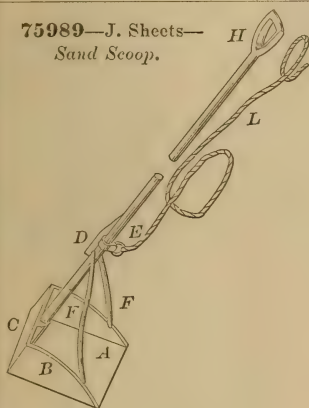
75988—Shalters & Ray—*Double Shovel Plow.*



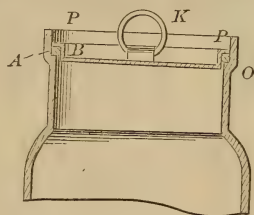
75990—S. D. Sheldon—*Sickle Sections and Serrating them*



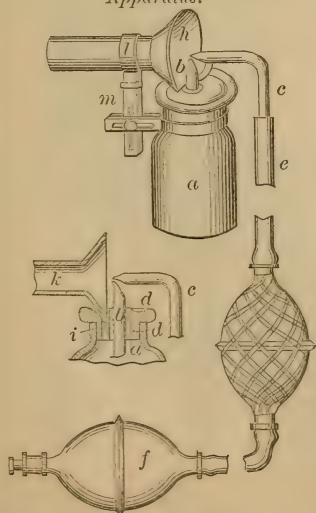
75989—J. Sheets—*Sand Scoop.*



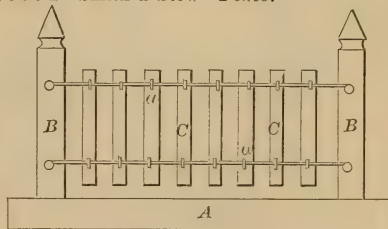
75993—C. S. Siddons—*Fruit Jar.*



75991—A. M. Shurtleff—*Atomizing Apparatus.*

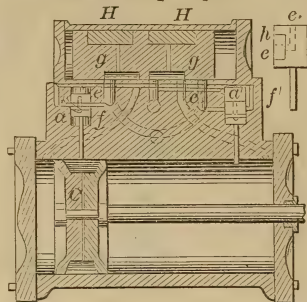


75994—Smith & Stow—*Fence.*

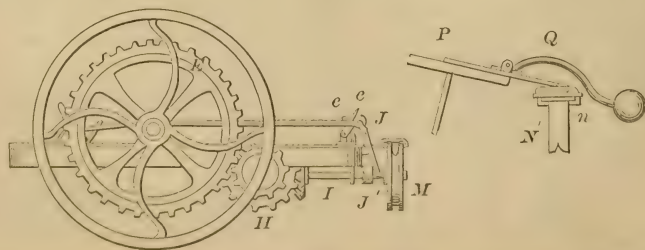
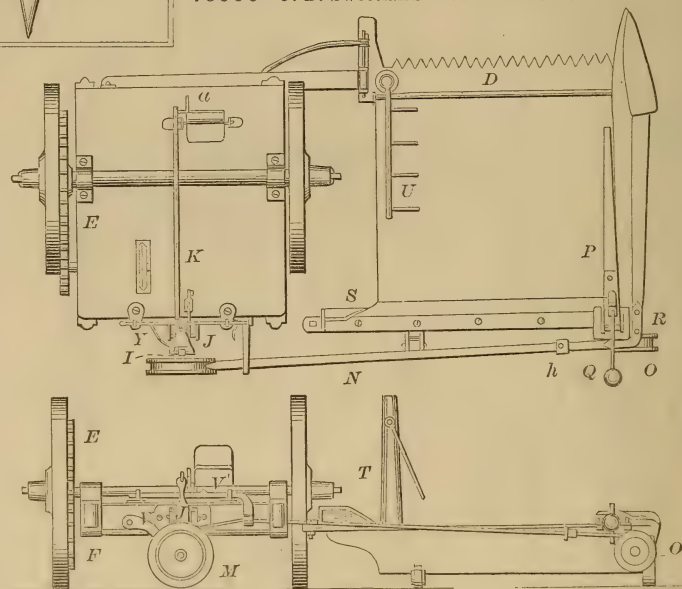


75995—S. W. Smith—*Flat Iron Heater.*

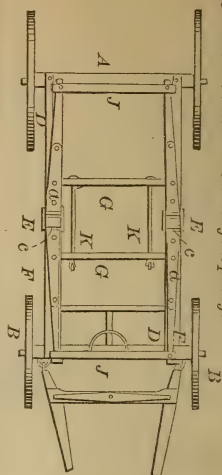


75996—W. C. Sparks—Door
Button.75998—Sutherland & Moakly—
Steam Pump Engine.

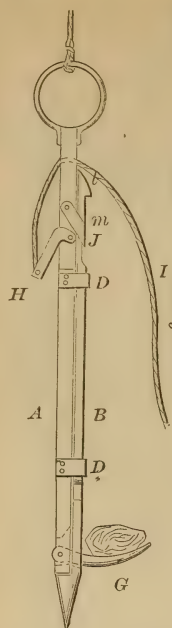
76000—J. B. Sweetland—Harvester Rake.



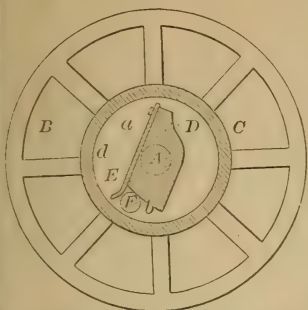
75999—W. W. Sulist—Carrage Spring.



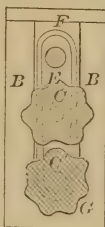
75997—J. W. Sumners—Horse Hay Fork.



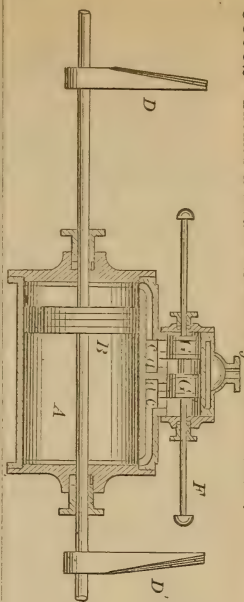
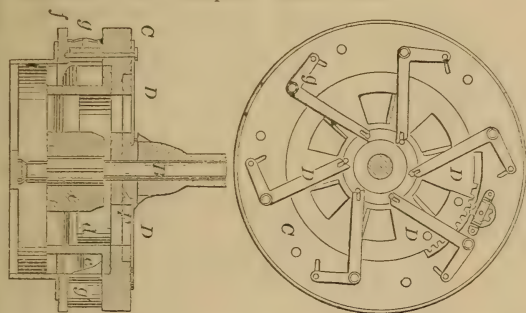
96001—D. H. Thayer—*Harvester*.



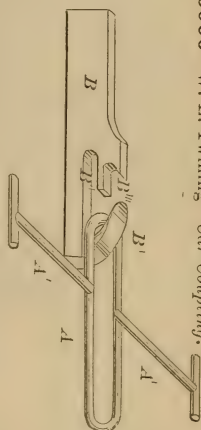
96004—J. P. Thompson—*Washing*



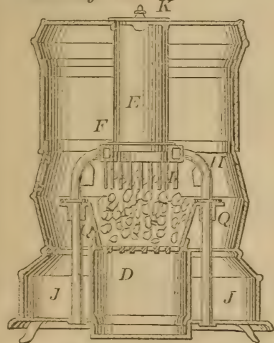
96002—Thomas & Evans—Steam Engine Piston Valve.

96003—I. M. Thompson—*Water Wheel.*

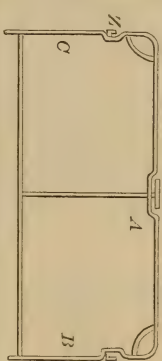
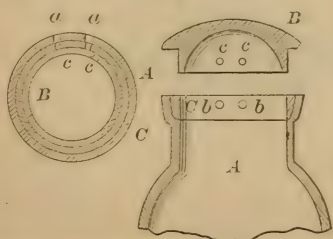
36006—W. E. Twining—Car Coupling.



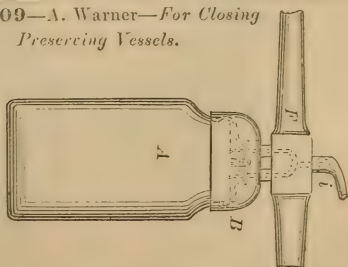
96005—R. B. Thompson—²*Base
Burning Stone.*



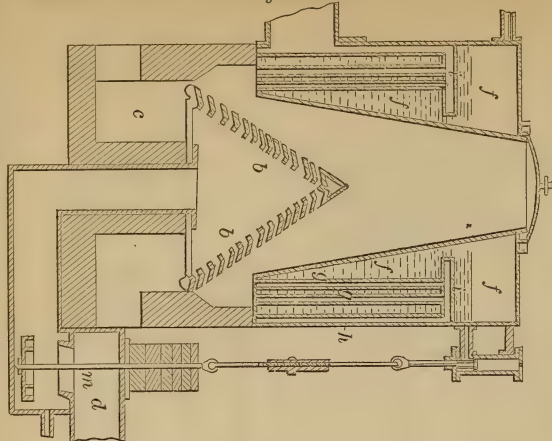
96007—P. Verplanck, Jr.—Dash Board.

96008—A. Warner—*Fruit Jar.*

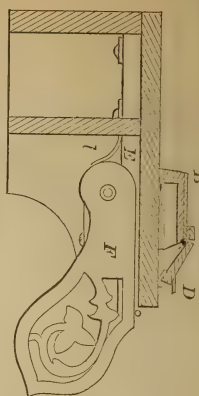
96009—A. Warner—*For Closing Preserving Vessels.*



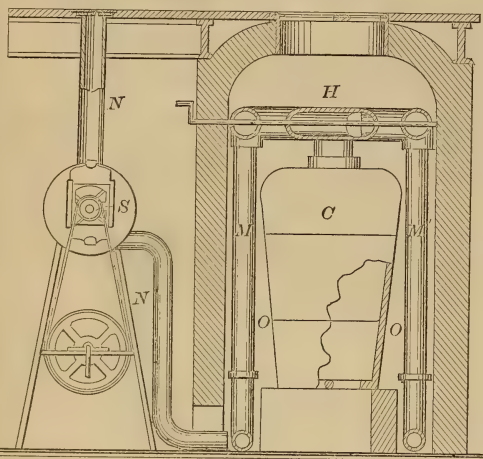
76010—J. Watts—Heating Furnace.



76013—F. A. Wells—Reed Organ.



76018—J. Whitehill—Hot Air Furnace.



76011—N. Webster—Weeding Tool.

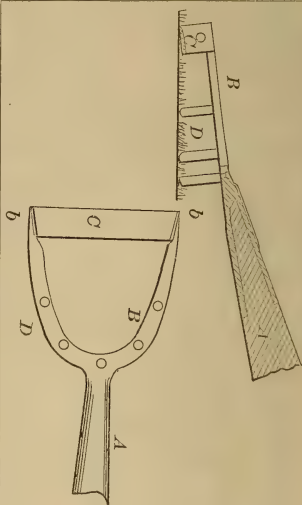
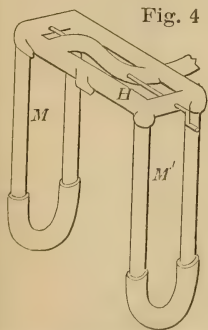
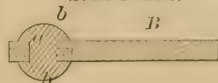


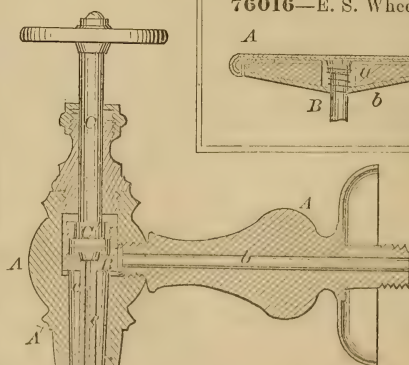
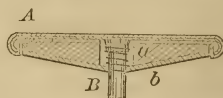
Fig. 4



76014—W. C. Wendell—Slate Frame.

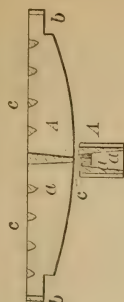


76016—E. S. Wheeler—Button.

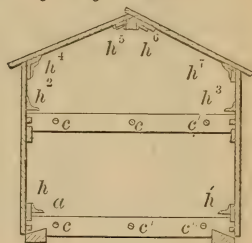
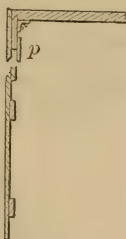
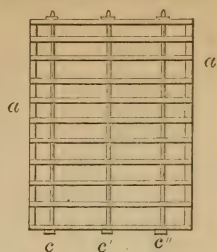
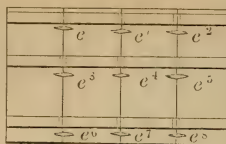


76017—White & Burnham—Faucet.

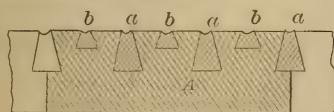
76023—Williams, Forgie & Edwards—
Furnace Grate Bar.



76019—D. S. Whittenhall—*Portable Building.*



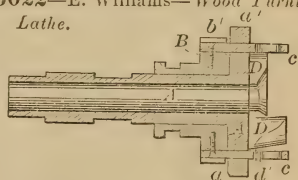
76021—C. Williams—*Pavement.*



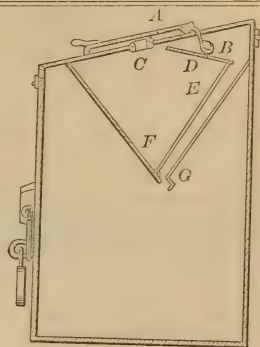
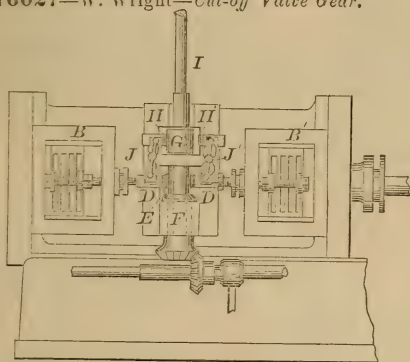
76020—D. R. Wight—*Awl Handle.*



76022—E. Williams—*Wood Turning Lathe.*

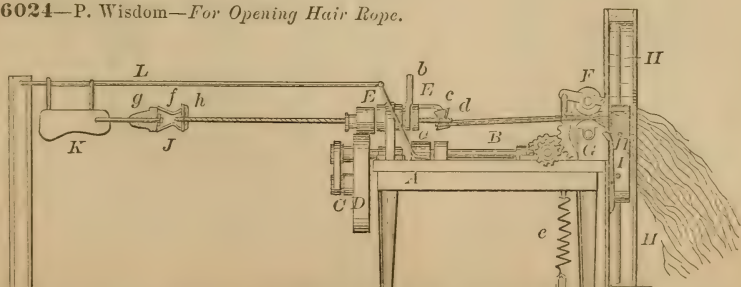


76027—W. Wright—*Cut-off Valve Gear.*

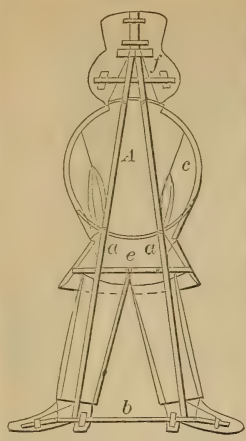


76026—J. E. Woodruff—*Letter Box.*

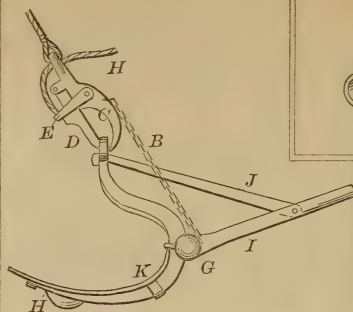
76024—P. Wisdom—*For Opening Hair Rope.*



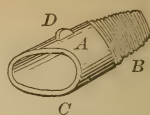
76028—Yorns & Smith—
Kite.



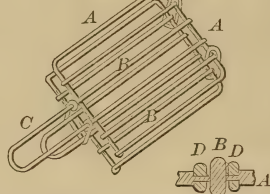
76029—W. Zimmerman—
Horse Hay Fork.



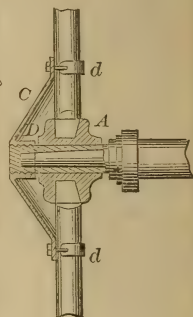
76030—A. Zinsser—*Tapping
Piece for Barrels*



76032—Collier & Bigelow—
Broiler and Toaster.



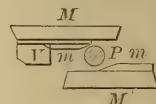
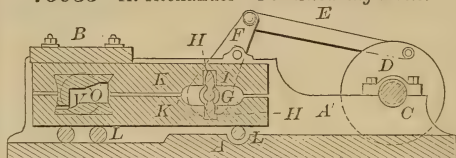
76033—L. Adams—*Carriage Wheel.*



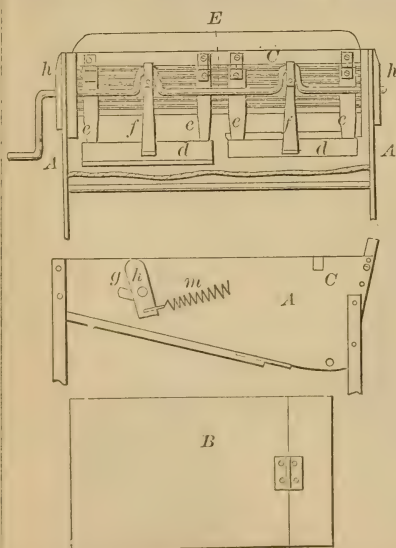
76034—J. Ault—*Hinge.*



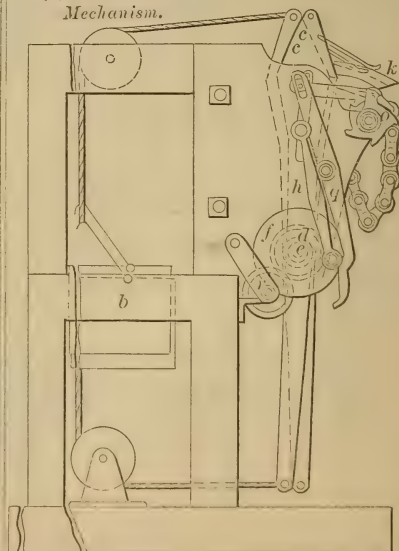
76035—A. Alexander—*For Shearing Bolts.*



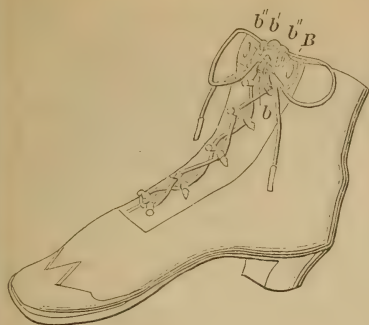
76037—D. W. Bancroft—*Washing Machine.*



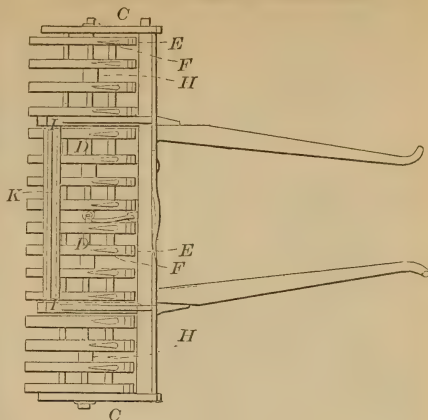
76036—Bachelder & Bliss—*Loom
Mechanism.*



76038—Banister & Rowell—*For Lacing Boots.*



76040—H. L. Beach—*Horse Rake.*



76041—C. Bender—*Wire Truss Bridge.*

Fig.^s 3

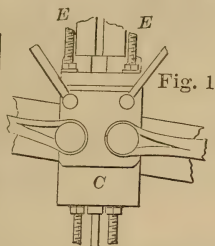


Fig. 1

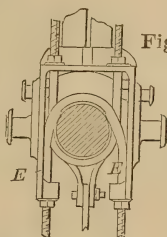


Fig. 2



Fig. 4

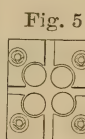
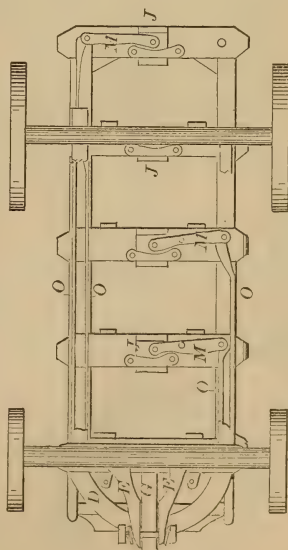
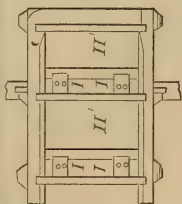
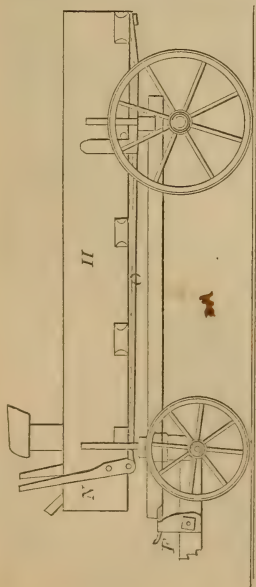
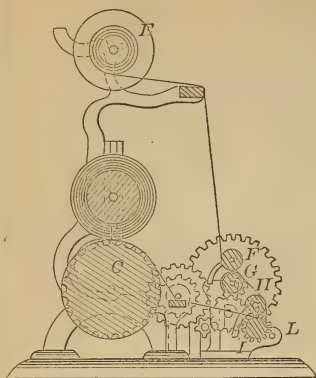


Fig. 5

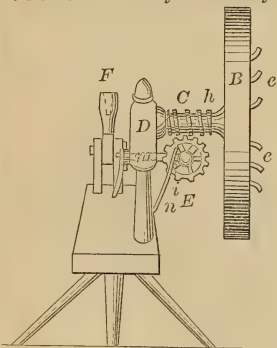
76039—H. Barton—*Dumping Wagon.*



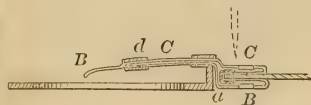
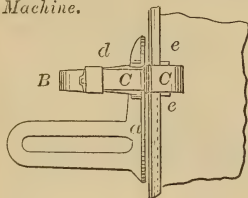
76042—J. W. Bentley—*For Manufacturing Clouded Yarn.*



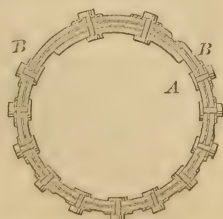
76043—Bradway & Bradley—*Reel.*



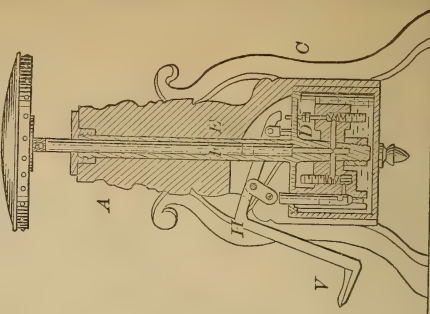
76047—C. H. Buck 2d—*Sewing Machine.*



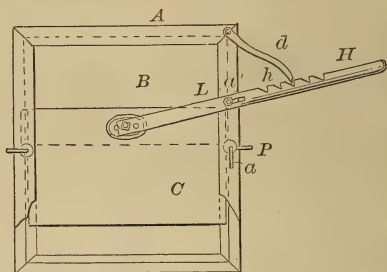
76049—A. Carney—*Hose.*



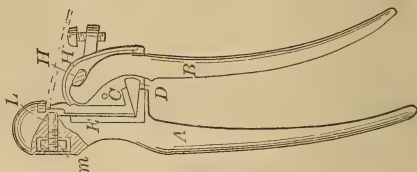
76044—Bramble & Deihl—*Piano Stool.*



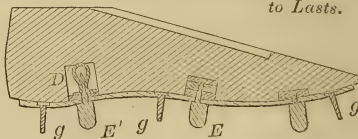
76045—J. W. Branham—*Draught Regulator.*



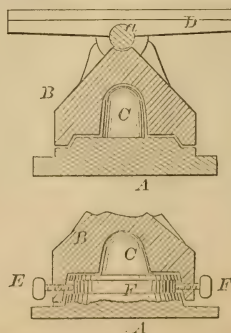
76046—J. F. Brodhead—*Saw Set.*



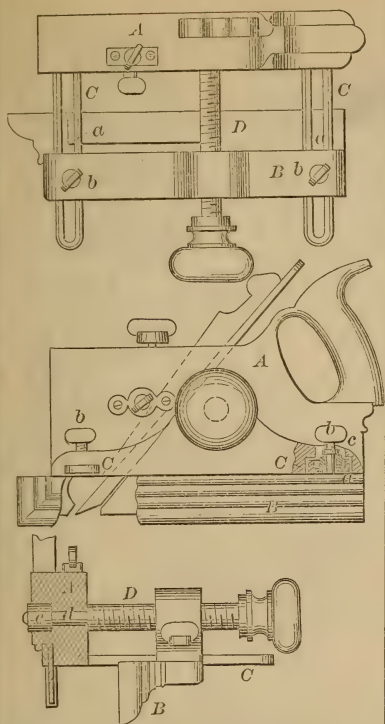
76048—C. Buffum—*Application of Inner Soles to Lasts.*



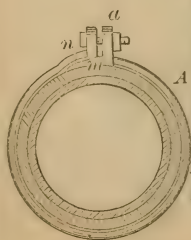
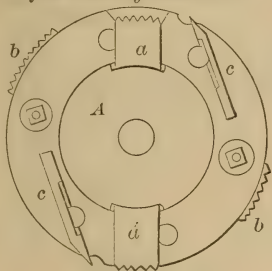
76050—J. B. Case—*Lever Purchase.*



76051—Chapin & Rust—Plane.

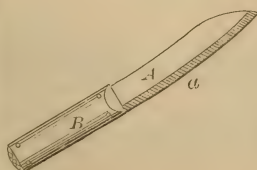


76052—M. W. Clark—Cutter Head for Tenoning Blind Slots.

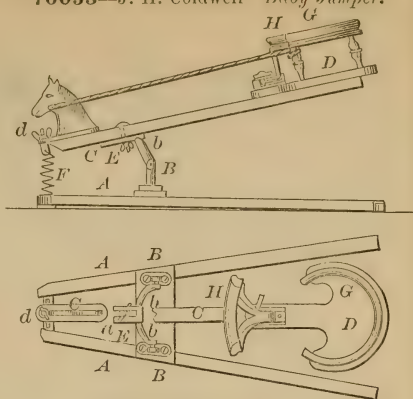


76057—Curtis & Tewksbury—Hose and Pipe Coupling.

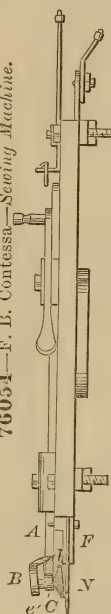
76055—F. Coulon—For Cutting Straw Bands.



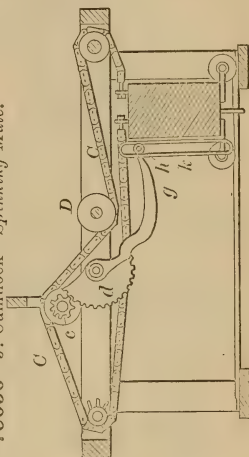
76053—J. H. Coldwell—Baby Jumper.



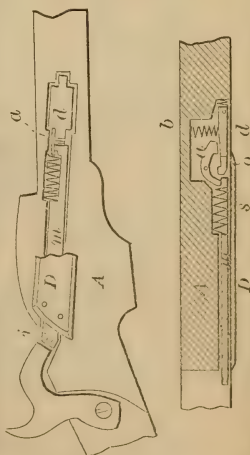
76054—F. B. Contessa—Sewing Machine.



76056—J. Cummoek—Spinning Mule.



76058—B. P. Cutler—Safety Guard for Fire Arms.



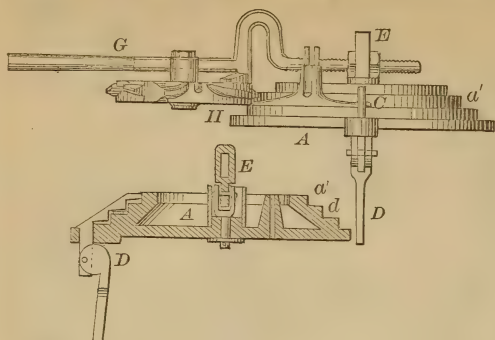
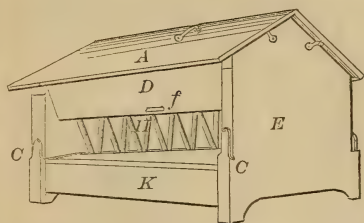
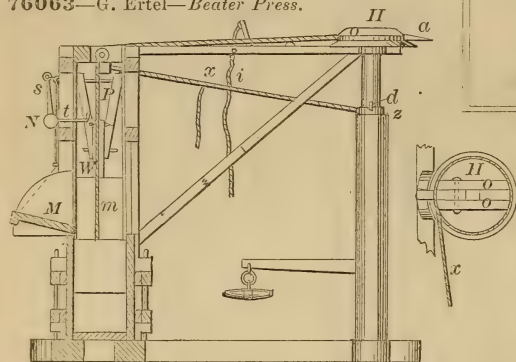
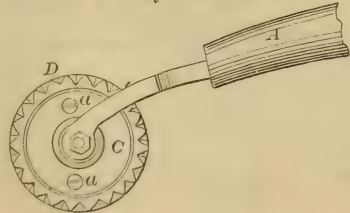
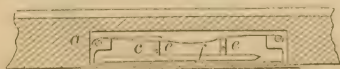
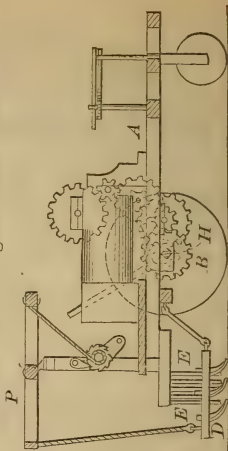
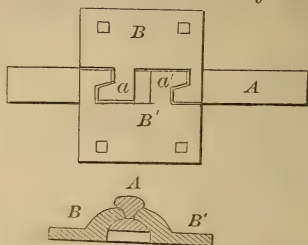
76059—S. S. Daniels—*For Bending Carriage Circles.***76061**—J. Depue—*Feed Trough and Rack.***76063**—G. Ertel—*Beater Press.***76065**—J. Feely—*Bookbinders' Roll.***76068**—J. H. Foote—*Slate Frame.***76060**—J. C. Delavigne—*Steam Plow.***76062**—A. Elms—*Railway Chair.***76064**—D. H. Fanning—*Hoop Skirt.*

Fig. 2

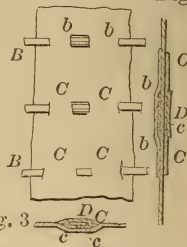
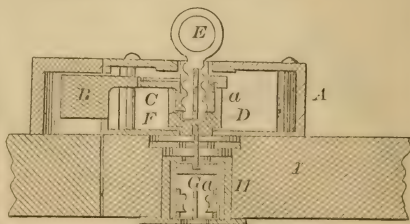
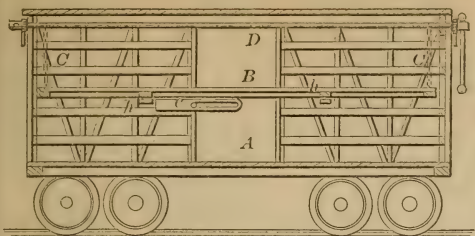


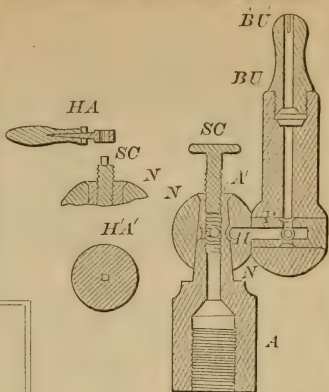
Fig. 3

76066—P. S. Felter—*Door Lock.*

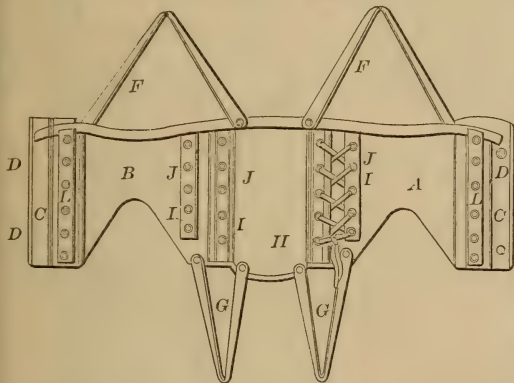
76067—E. Fontaine—Cattle Car.



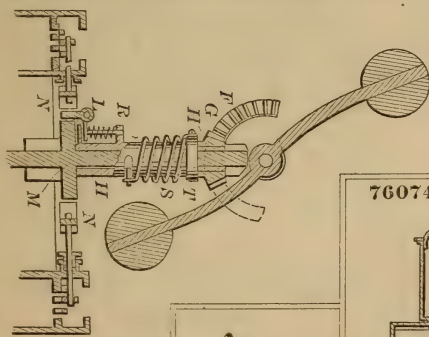
76069—C. S. Ford—Gas Burner.



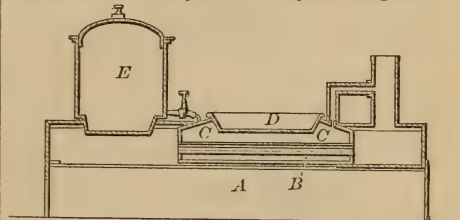
76070—J. Ford—Abdominal Supporter.



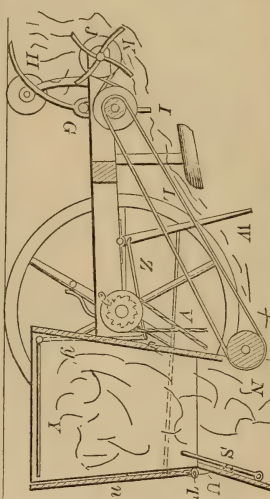
76071—L. F. Fuller—Steam Engine Governor.



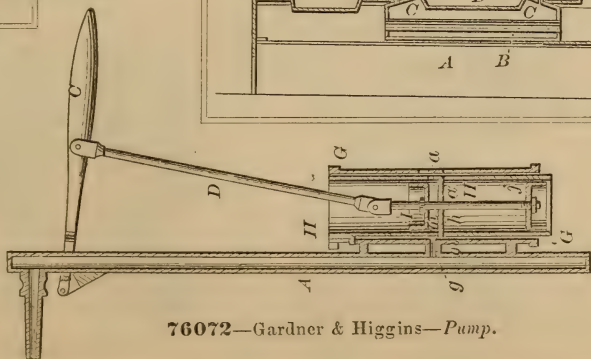
76074—T. Gillespie, Jr.—Sorghum Evaporator.



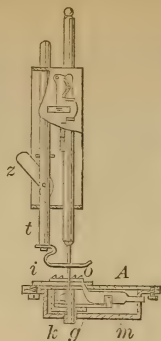
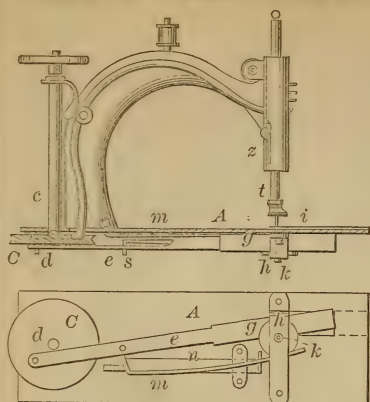
76073—R. T. Gill—Hay Spreader and Vicker.



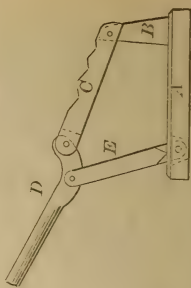
76072—Gardner & Higgins—Pump.



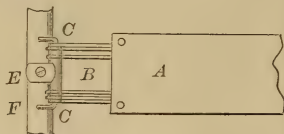
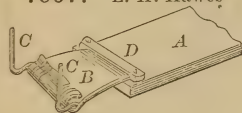
76076—A. W. Halbert—Sewing Machine.



76075—T. L. Goble—Wagon Jack.



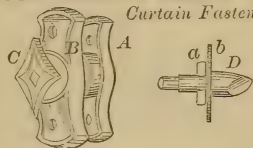
76077—L. K. Hawes—Bee Bottom.



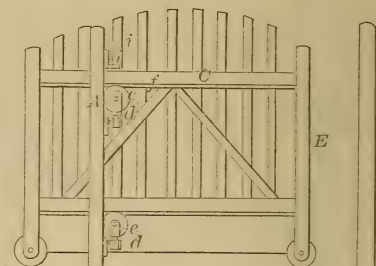
76082—F. J. Jones—Belt Hook.



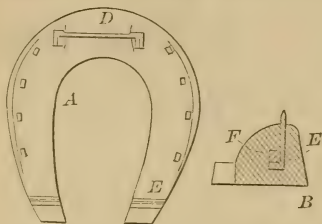
76080—Huston & Stanford—Carriage Curtain Fastening.



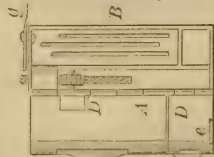
76081—J. L. Janeway—Gate.



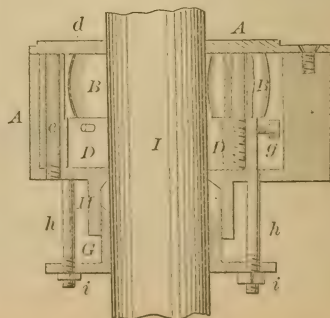
76078—A. S. Hopson—Horse Shoe.



76084—Kirchfeld & Heyl—Match Box.



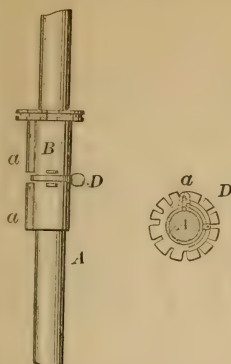
76083—S. Kime—Shaft Bearing on Millstone Bush.



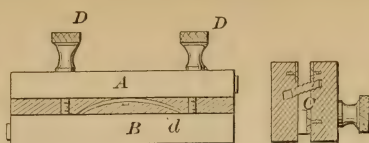
76079—A. J. F. Howard—Boot Crimper.



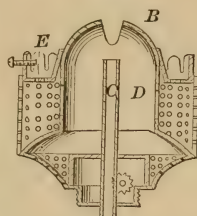
76085—W. Lang—Umbrella.



76086—W. H. Leach—Scissors Sharpener.



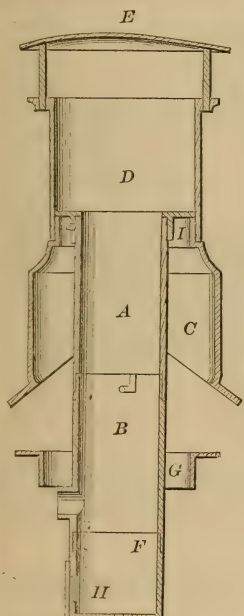
76089—J. Magee—Lamp Burner.



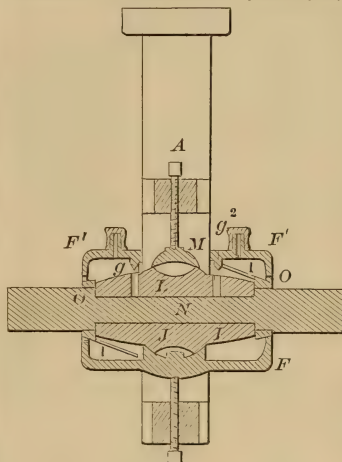
76088—E. T. Ligon—Joint of Steel Plates.



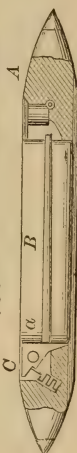
76091—A. W. McMullen—Cast Iron Chimney.



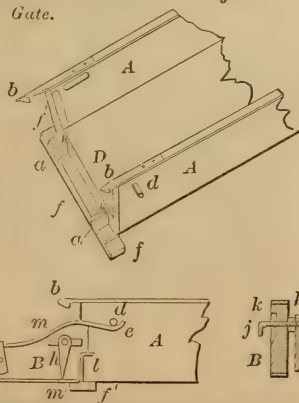
76092—I. D. Mathews—Journal Box.



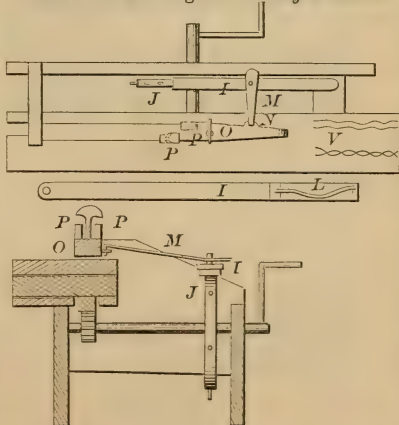
76090—E. P. Marble—Shuttle.



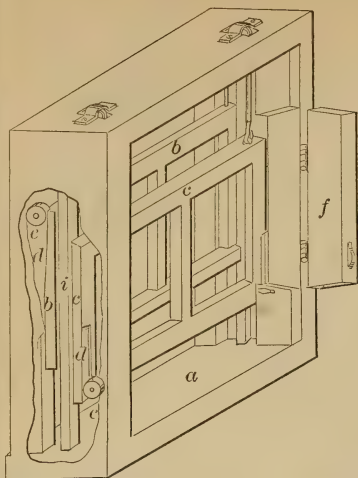
76095—E. S. Miller—Wagon End Gate.



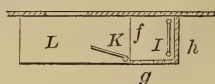
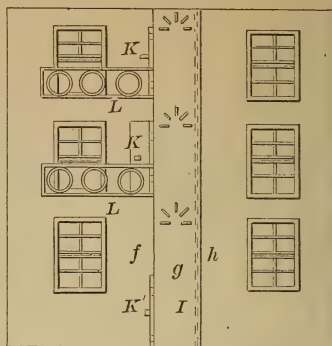
76093—A. McCreight—Carving Machine.



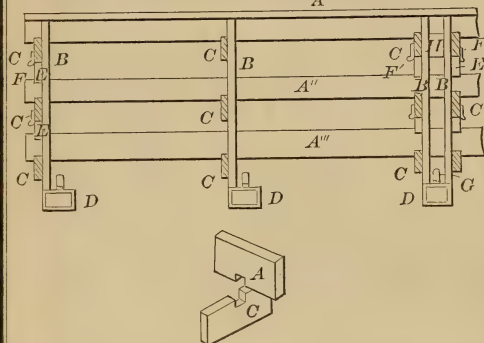
76096—J. H. Osgood, Jr.—*Window Sash Frame.*



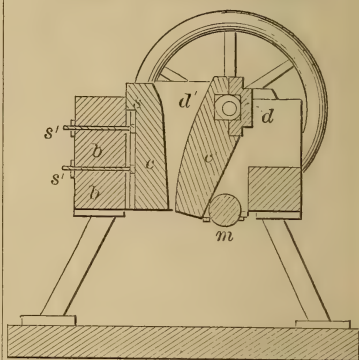
76097—J. Paar—*Fire Escape.*



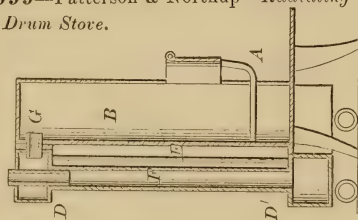
76102—W. E. Roberts—*Portable Fence.*



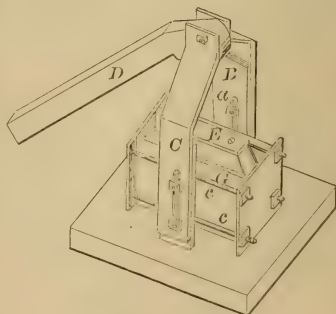
76100—J. Reese—*Ore Crusher.*



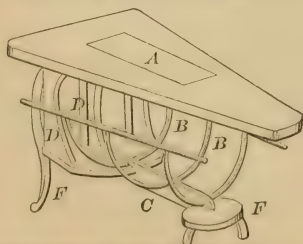
76099—Patterson & Northup—*Radiating Drum Stove.*



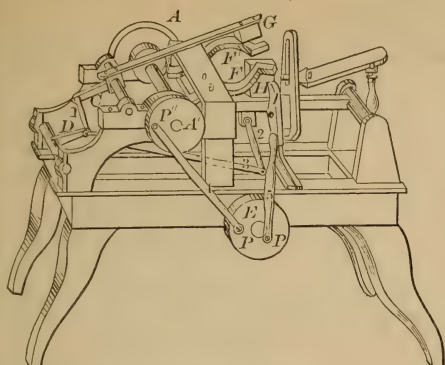
76101—C. O. & J. H. Ritchie—*Press.*



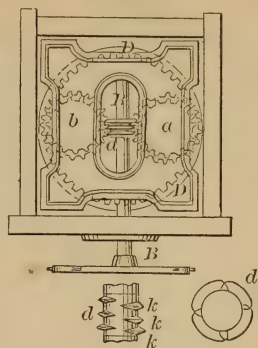
76098—H. Park—*Ironing Table.*



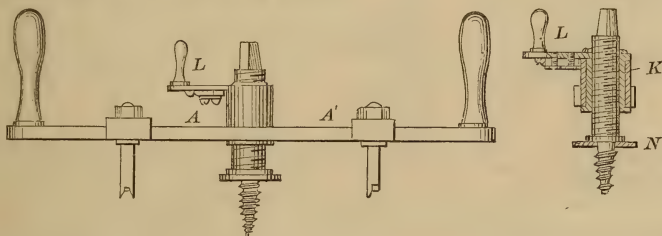
76104—G. W. Sargent—*Nail Machine.*



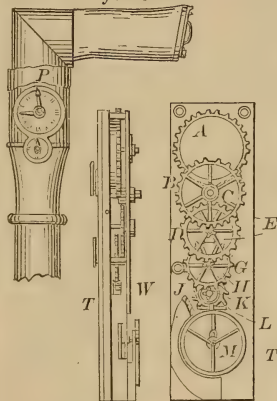
76105—C. H. Sawyer—*Steering Apparatus.*



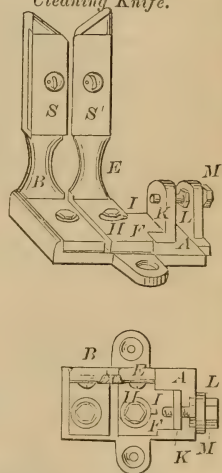
76103—A. Roff—*Wood Boring Machine.*



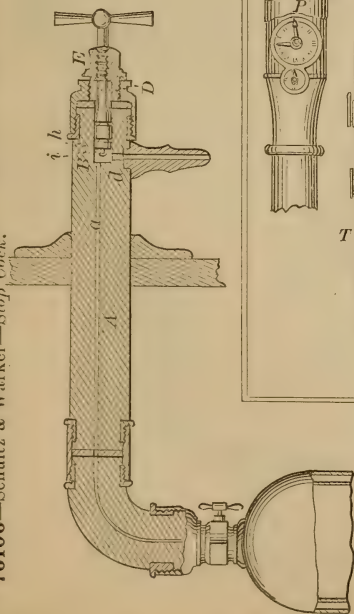
76108—S. B. Simon—*Watch for Canes.*



76109—G. Singleton—*Silk Cleaning Knife.*

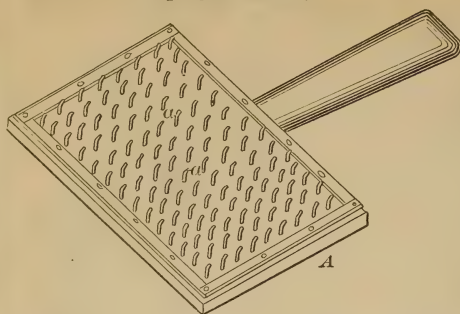
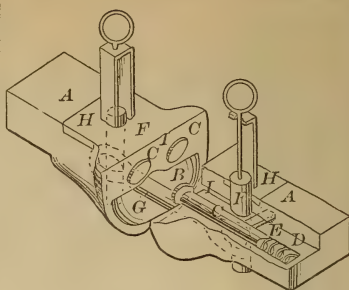
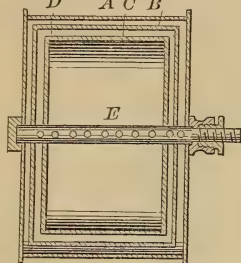
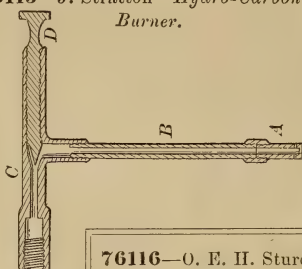
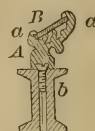
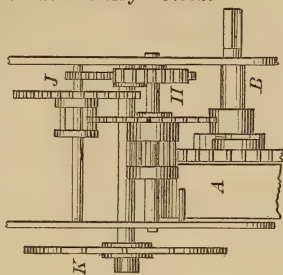
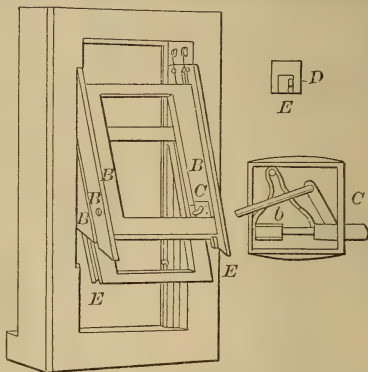
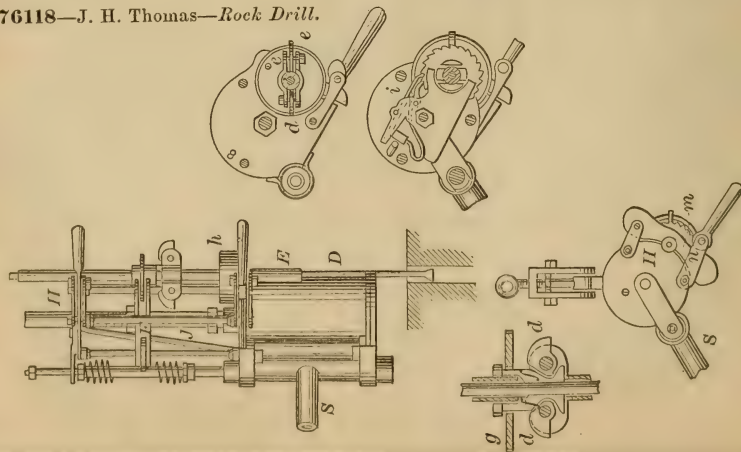


76106—Schultz & Warker—*Stop Cuck.*



76110—J. D. Smedley—*For Packing Butter, &c.*

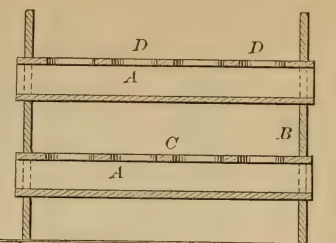


76111—E. L. Sprague—*Making Cards.*76112—T. Steinbauer—*Car Coupling.*76114—J. Stratton—*For Carburetting Air.*
D A C B76115—J. Stratton—*Hydro-Carbon Burner.*76113—J. W. Strange—*Twine Cutter.*76117—S. B. Terry—*Clock.*76116—O. E. H. Sturcken—*Window Frame.*76118—J. H. Thomas—*Rock Drill.*

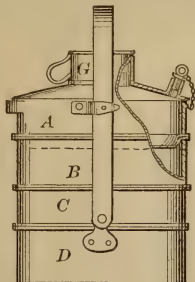
76119—W. Thompson—*Cigar Mouthpiece.*



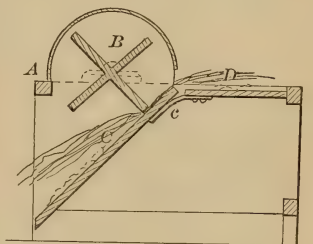
76120—W. Veber, Jr.—*Milk Shelf.*



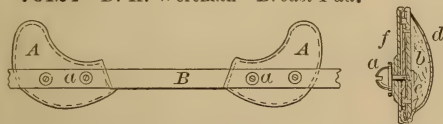
76121—J. Wagner—*Dinner Kettle.*



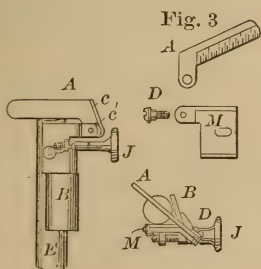
76122—F. Walpert—*For Removing Burrs from Hair.*



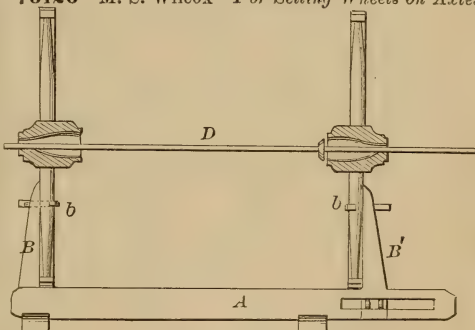
76124—D. K. Wertman—*Breast Pad.*



76123—W. C. Wells—*Drill Gauge.*



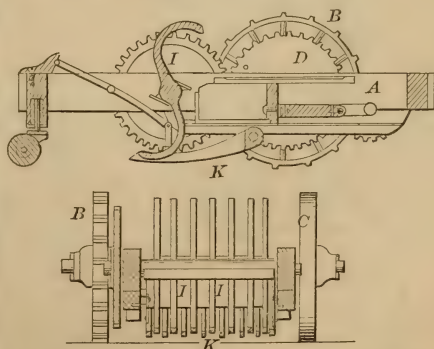
76126—M. S. Wilcox—*For Setting Wheels on Axles.*

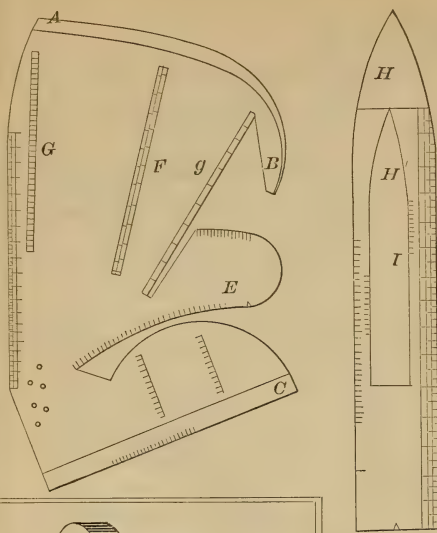
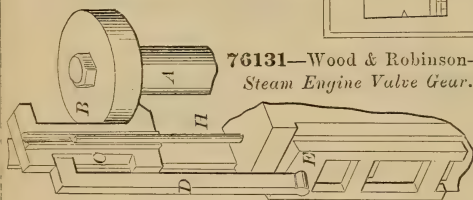
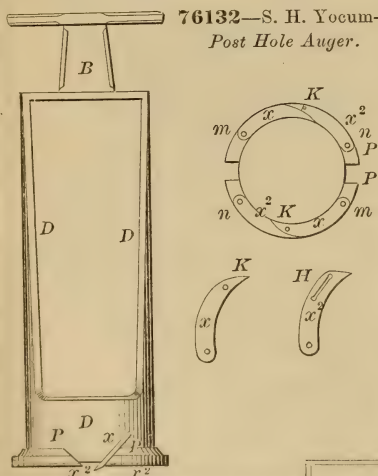
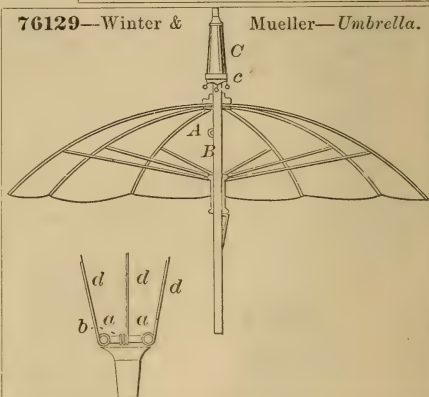
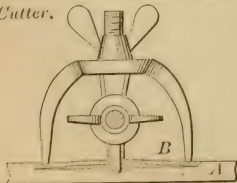
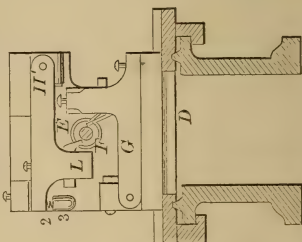
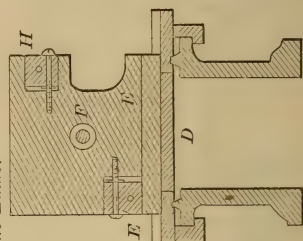
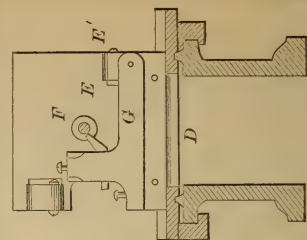
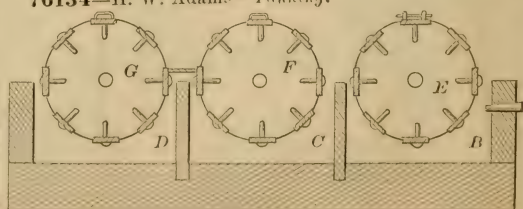


76125—J. M. Wheeler—*For Cleaning Boiler Flues.*

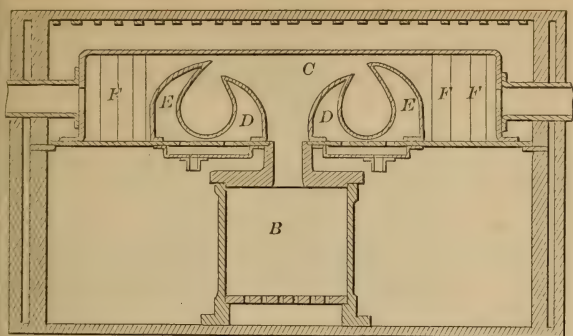


76127—M. H. Wiley—*Potato Digger.*

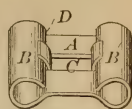


76128—S. R. Windle—*Dress Cutting Measure.***76131**—Wood & Robinson—*Steam Engine Valve Gear.***76132**—S. H. Yocum—*Post Hole Auger.***76129**—Winter & Mueller—*Umbrella.***76135**—E. M. Allen—*Harvester Cutter.***76134**—H. W. Adams—*Tanning.***76130**—A. Wood—*Engine Lathe.*

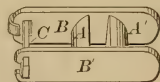
76136—J. Amory—*Hot Air Furnace.*



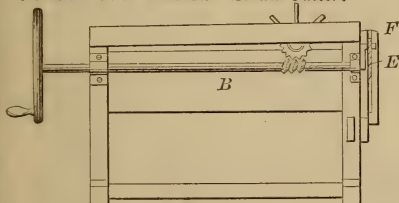
776141—J. W. Barnum—*Cotton Bale Tie.*



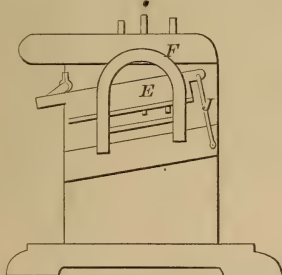
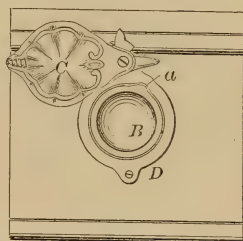
76144—J. W. Barnum—*Cotton Bale Tie.*



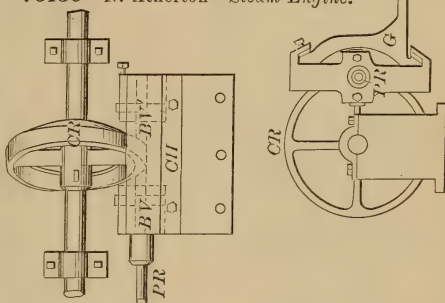
76137—J. J. Andrew—*Straw Cutter.*



76138—H. L. Andrews—*Inkstand.*



76139—N. Atherton—*Steam Engine.*



76143—J. W. Barnum—*Cotton Bale Tie.*

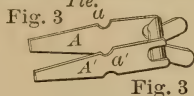
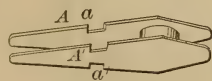
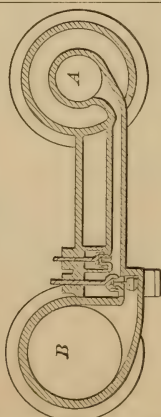
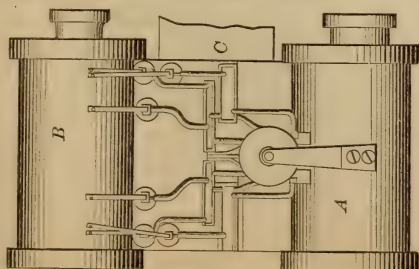


Fig. 3

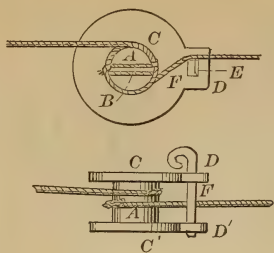
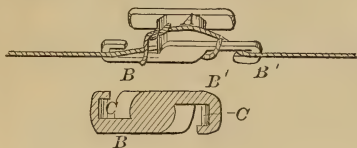
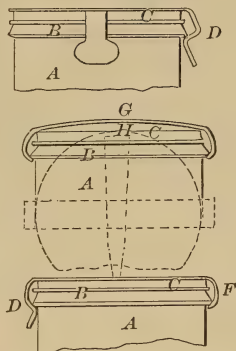
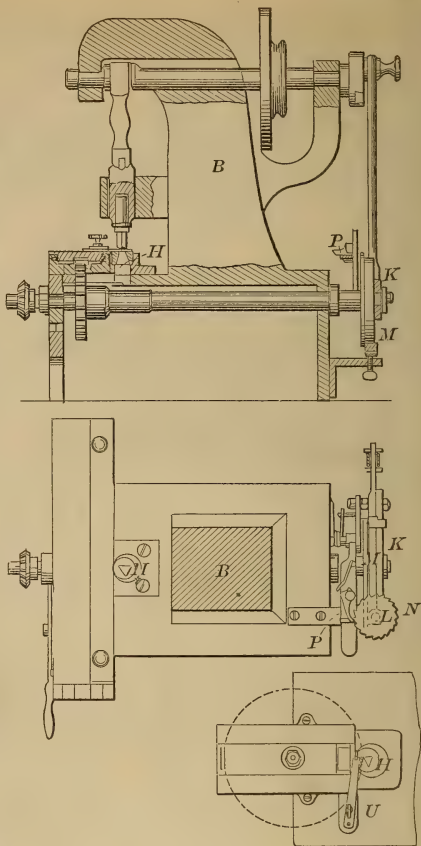
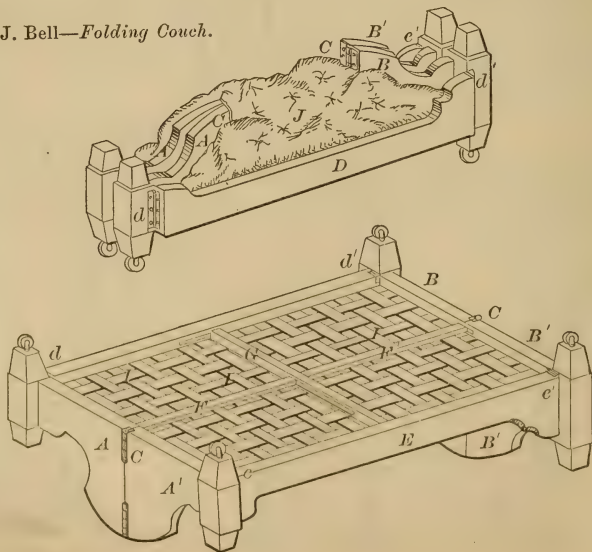


76140—C. W. Baldwin—*Steam Engine.*

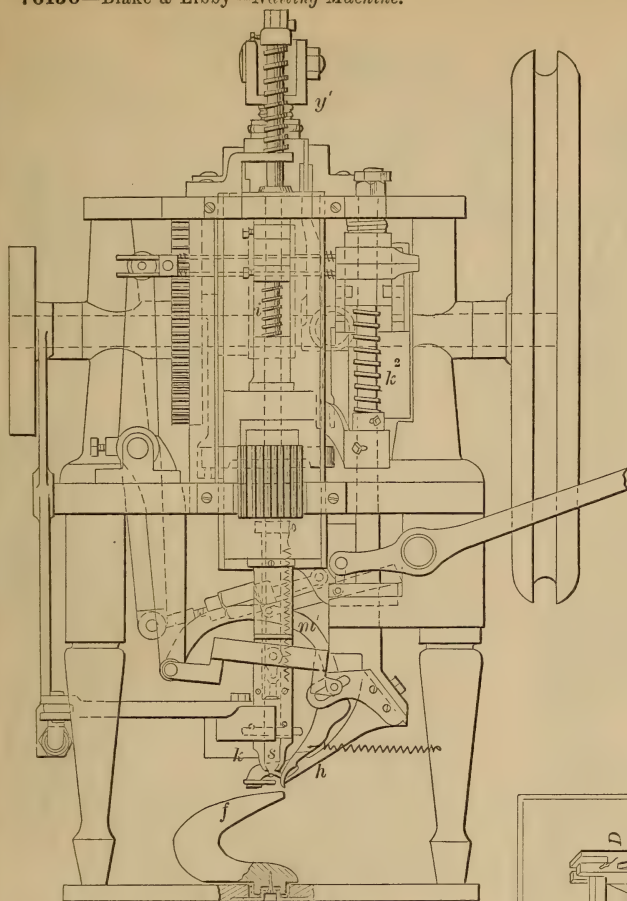


76142—J. W. Barnum—*Cotton Bale Tie.*



76145—J. W. Barnum—*Cotton Bale Tie.*76146—J. W. Barnum—*Cotton Bale Tie.*76149—J. Bellerjean—*Sealing Cans.*76147—A. Bartholf—*Saw Gumming Machine.*76148—A. J. Bell—*Folding Couch.*

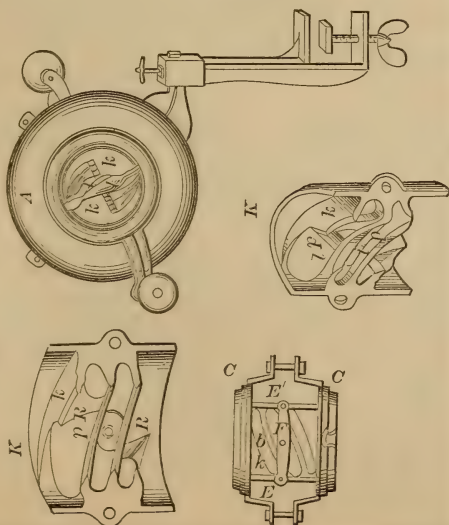
76150—Blake & Libby—Nailing Machine.



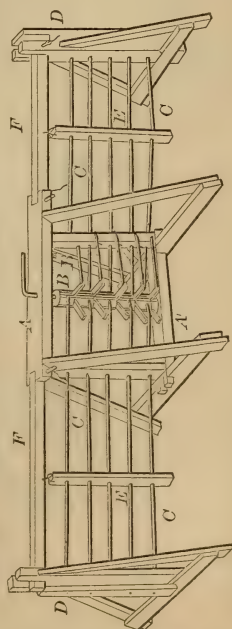
76153—C. W. Bowlshy—Government Revenue Stamp.



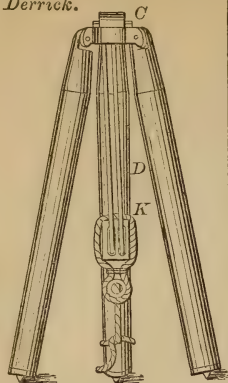
76154—C. H. Brady—Corn Shelter.



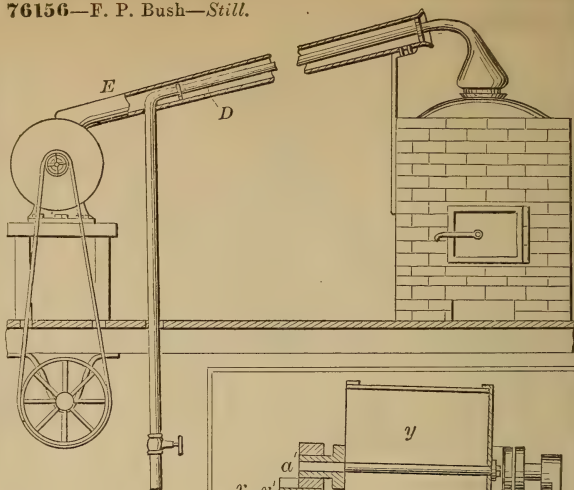
76151—L. W. Bosart—Portable Wire Fence.



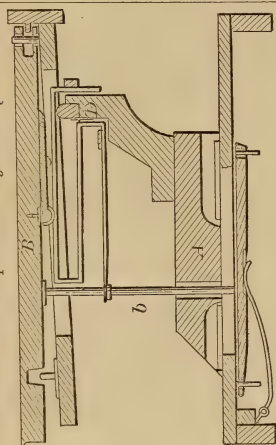
76155—G. C. Brown—*Derrick.*



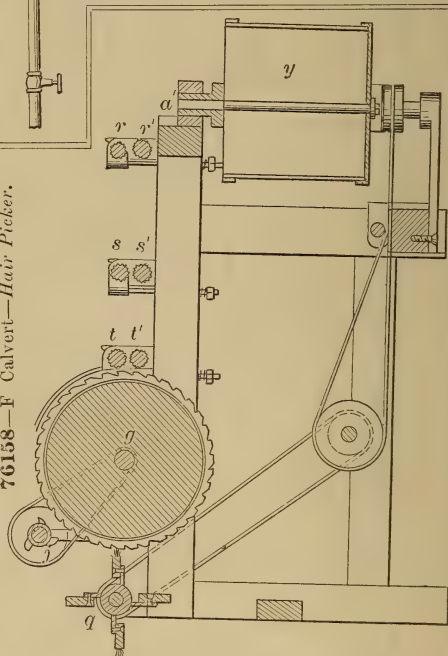
76156—F. P. Bush—*Still.*



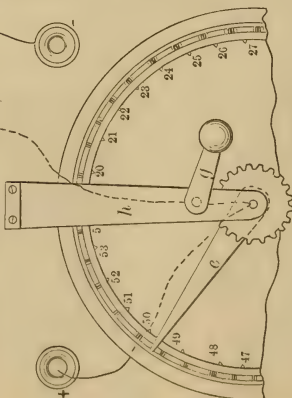
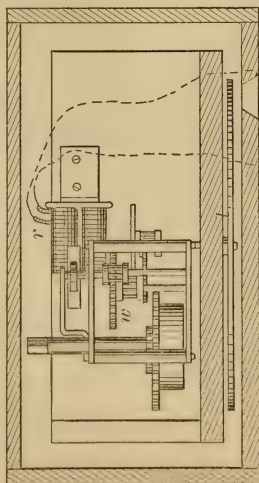
76159—R. W. Carpenter—*Organ Coupler.*



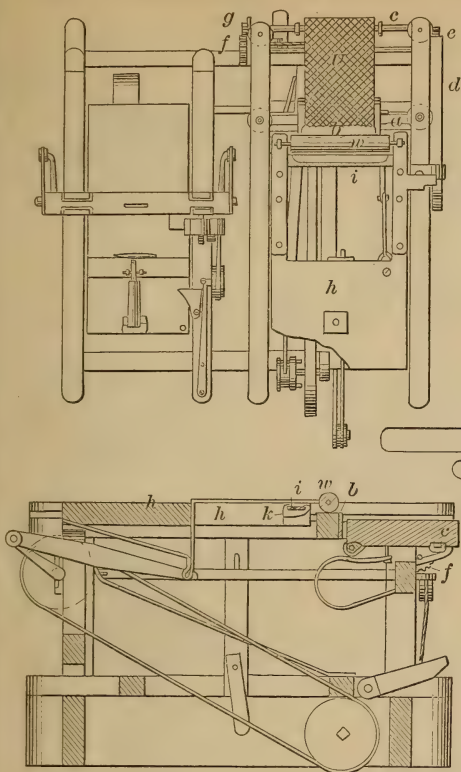
76158—F Calvert—*Hair Picker.*



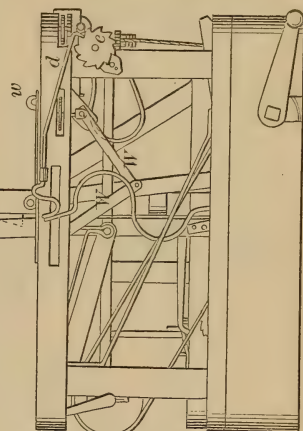
76157—E. A. Calahan—*Telegraphic Indicator.*



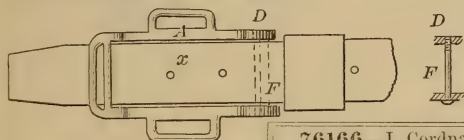
76160—J. F. Chambers—*Shingle Machine.*



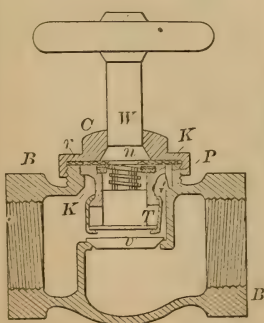
76163—E. G. Cone—*Sleigh Bell.*



76162—G. P. Cole—*Tug Buckle.*



76164—W. S. Cooper—*Globe Valve.*



76166—J. Cordan—*Fluid Indicator.*

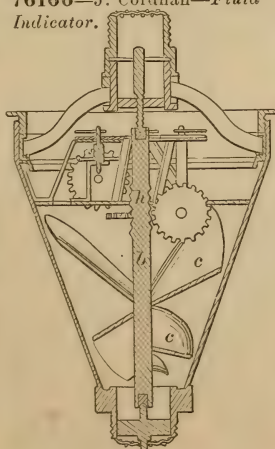


Fig. 1

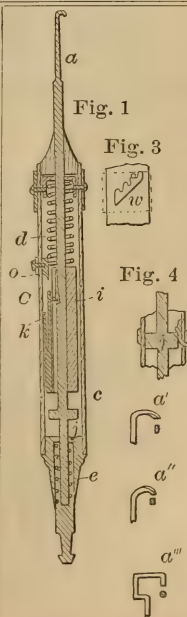
Fig. 3



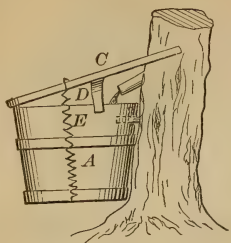
Fig. 4



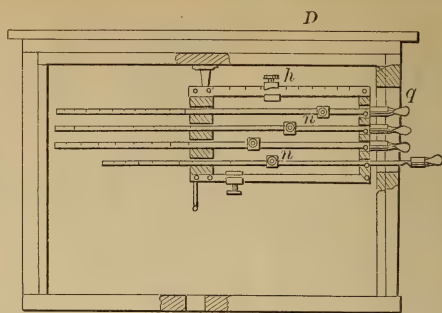
76161—E. Coburn, Jr.—*Tool Plugger.*



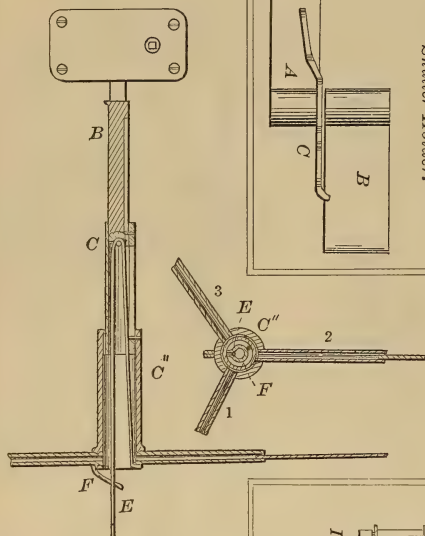
76168—J. W. Currier—
Sap Bucket.



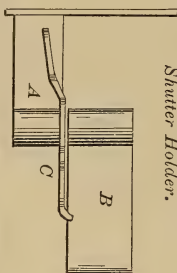
76169—A. B. Davis—*Box for Scale Beams.*



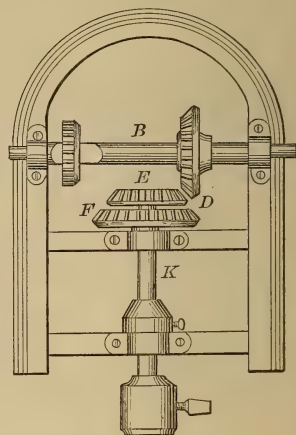
76174—I. S. Eastman—
Rotary Fan.



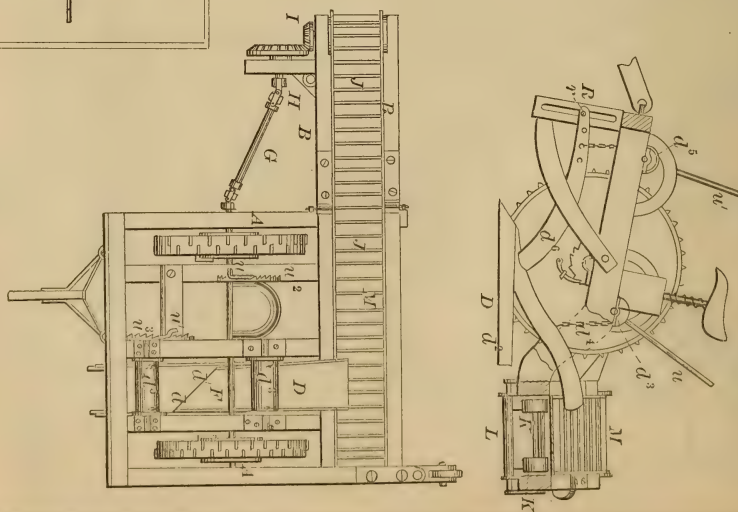
76170—C. R. Dane—Window
Shutter Holder.



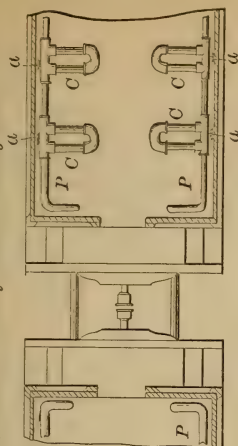
76171—Dool & White—*Boring
Machine.*



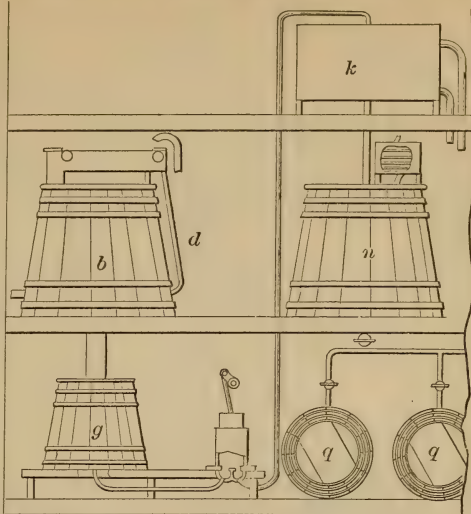
76172—A. C. Decker—*Ditching Machine.*



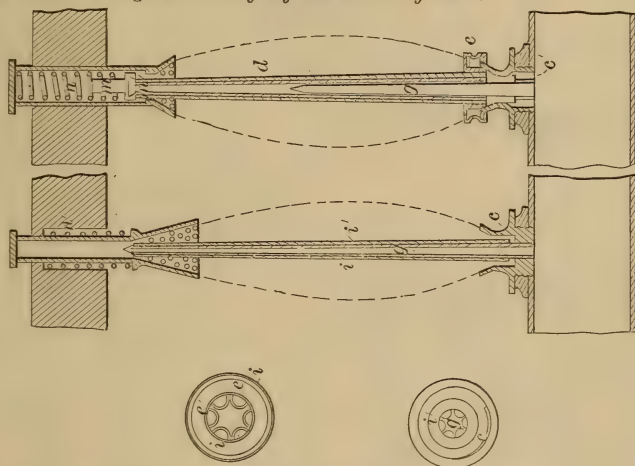
76175—G. W. Eddy—For Warming Cava.



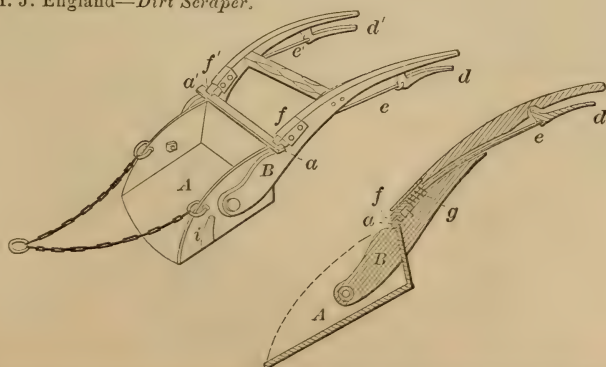
76177—W. H. Elliott—For Brewing Beer.



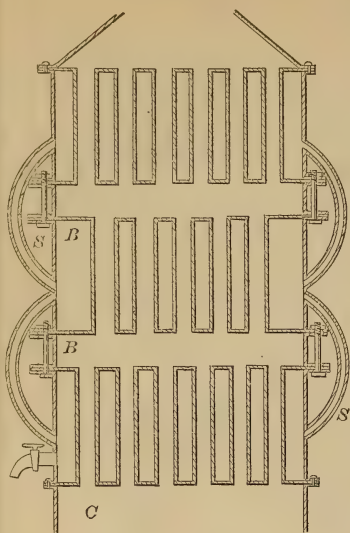
76178—Elliott & Osgood—For Dyeing and Bleaching Yarn.



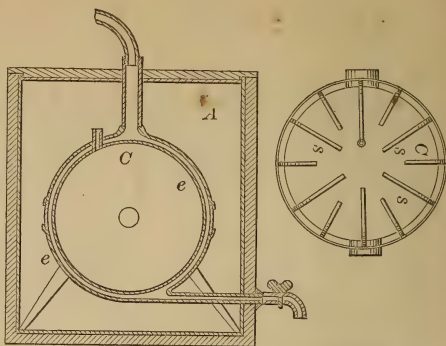
76179—H. J. England—Dirt Scraper.



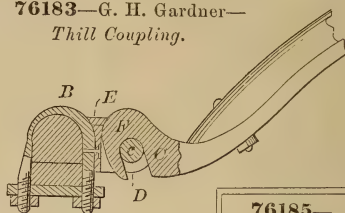
76180—A. S. Foster—*Steam Generator.*



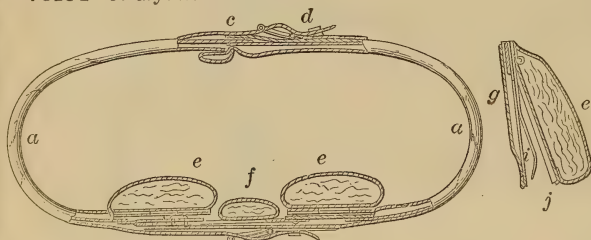
76181—H. C. Fowler—*For Cooling Liquids.*



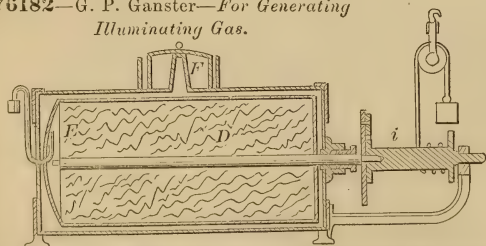
76183—G. H. Gardner—*Thill Coupling.*



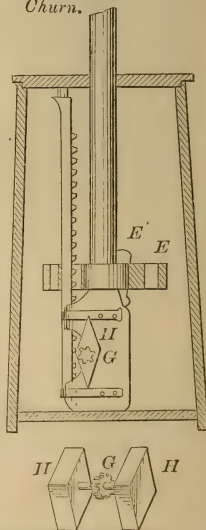
76184—J. Glydon—*Truss.*



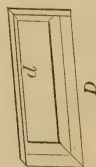
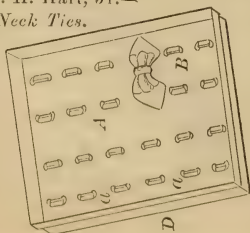
76182—G. P. Ganster—*For Generating Illuminating Gas.*



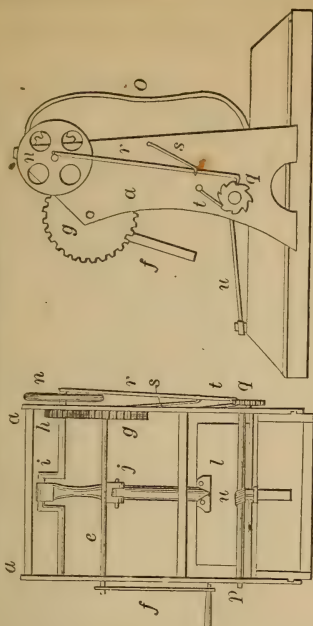
76185—
E. T. Harlan—*Churn.*



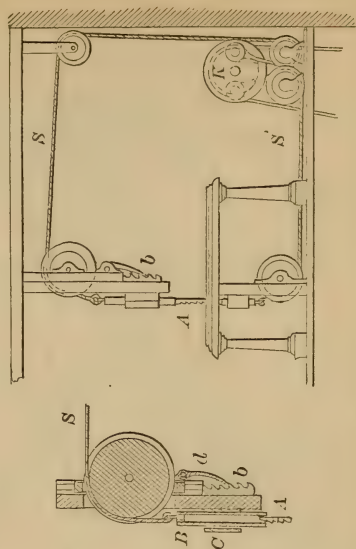
76186—W. H. Hart, Jr.—
Packing Neck Ties.



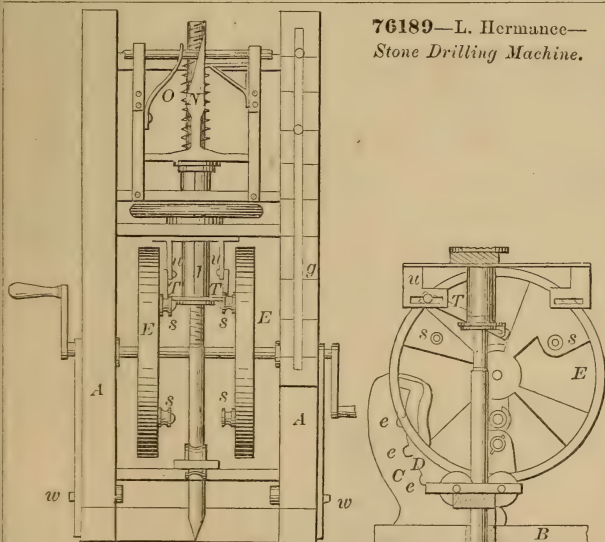
76187—N. L. Hatch—Meat Chopper.



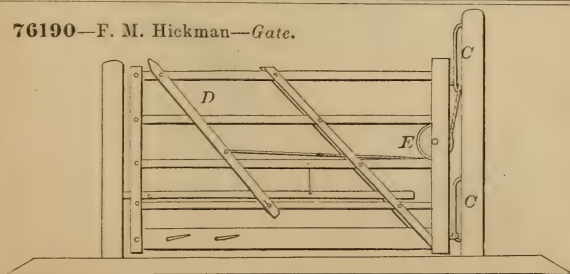
76191—H. D. Hinternesch—Saw Mill.



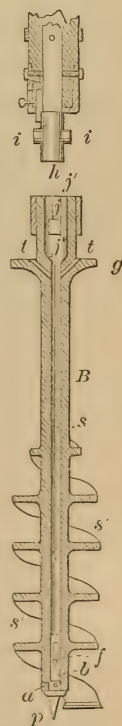
76189—L. Hermance—
Stone Drilling Machine.

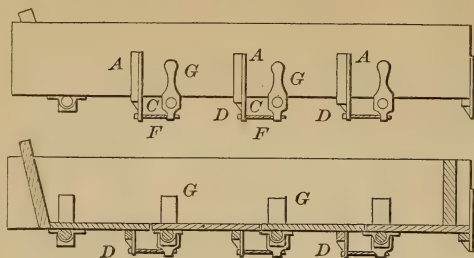
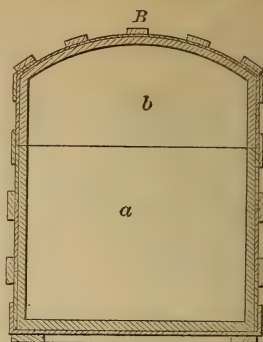
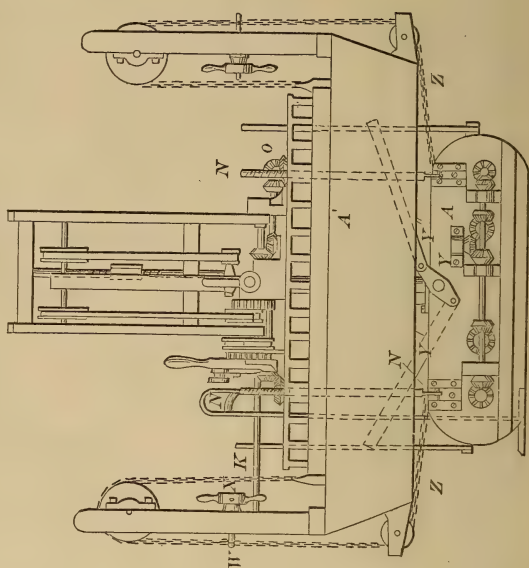
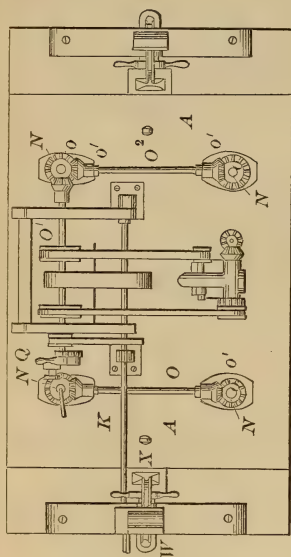
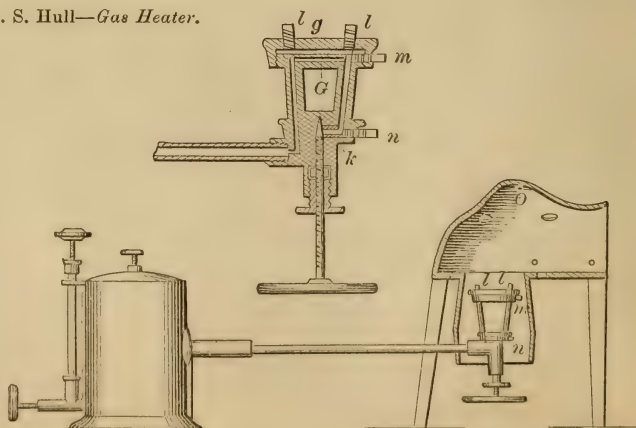


76190—F. M. Hickman—Gate.

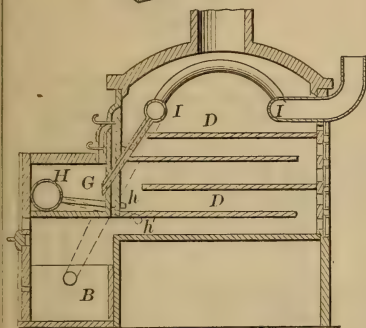
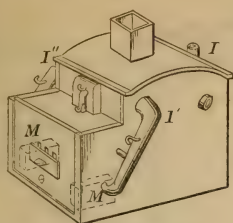


76188—J. W. Heath—Earth Boring Auger.

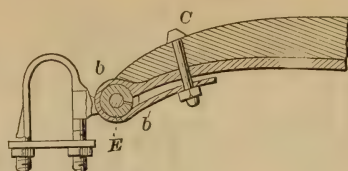


76192—J. Holmes—*Dumping Wagon.*76193—C. Horton—*Trunk.*76194—G. Howell—*For Filling Marshes.*76195—J. S. Hull—*Gas Heater.*

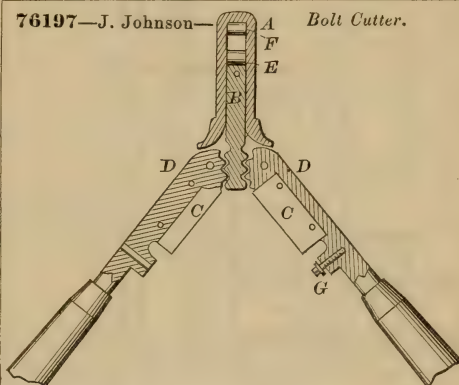
76196—J. Jameson—*For the Manufacture of Iron.*



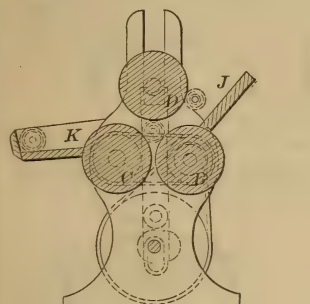
76198—P. Jones—*Thill Coupling.*



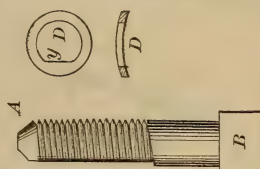
76197—J. Johnson—*Bolt Cutter.*



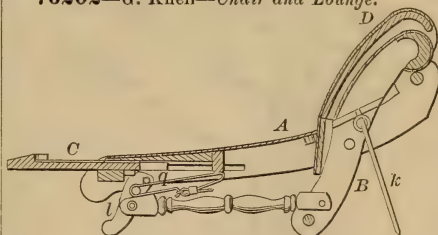
76199—W. C. Joslin—*For Rolling "Cots" on Drawing Rollers.*



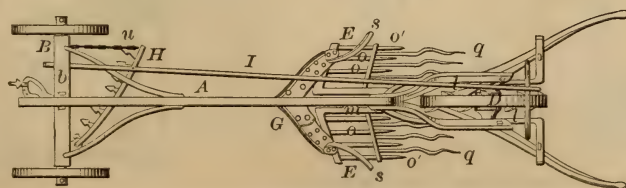
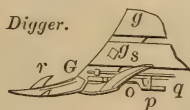
76201—S. W. Kirk—*Lock Nut.*



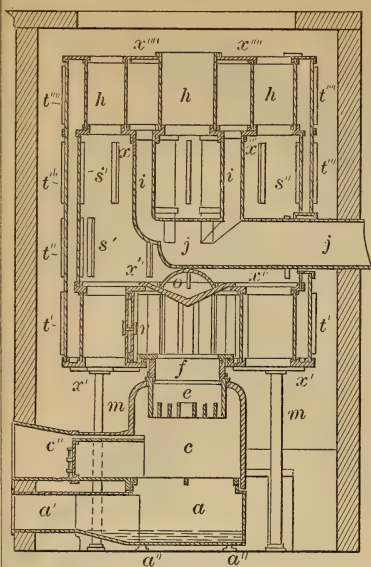
76202—G. Knell—*Chair and Lounge.*



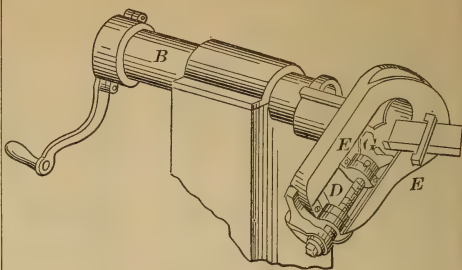
76200—G. W. Kintz—*Potato Digger.*



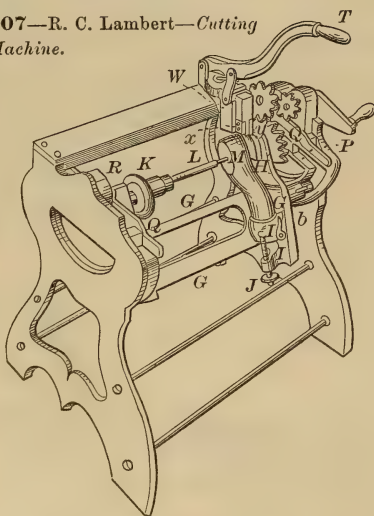
76203—A. Knobel—Hot Air Furnace.



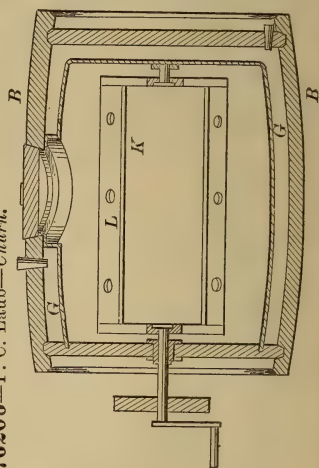
76205—F. Kraus—Hollow Auger.



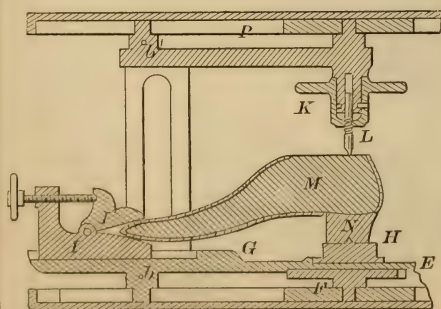
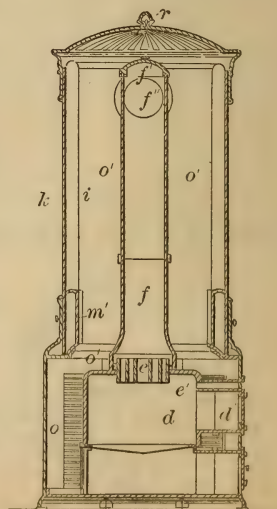
76207—R. C. Lambert—Cutting Machine.



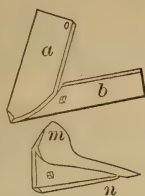
76206—P. C. Lamb—Churn.



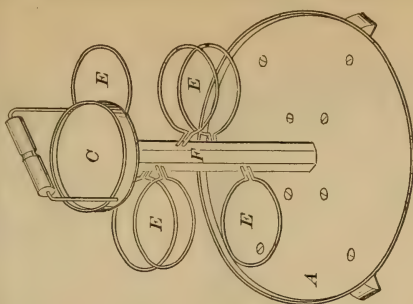
76204—A. Knobel—Coal Stove.



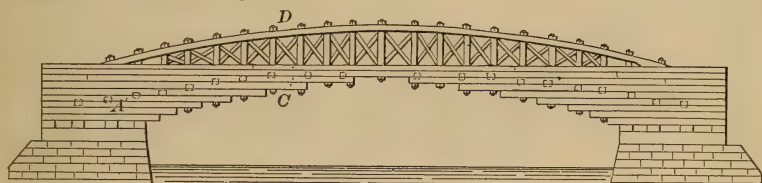
76208—J. Lane—*Plow.*



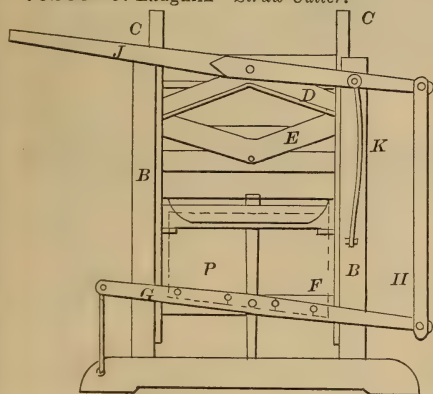
76211—J. C. Libbey—*Table Waiter.*



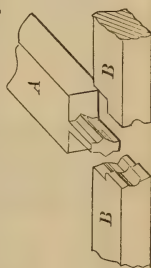
76212—L. Liscum—*Bridge.*



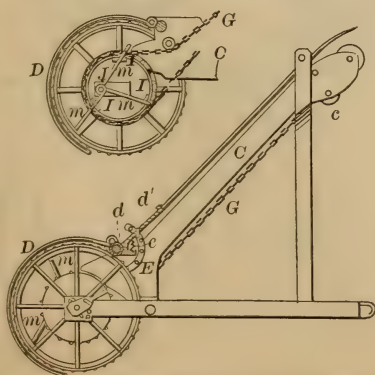
76209—J. Laughlin—*Straw Cutter.*



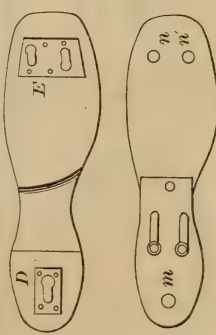
76210—W. J. Lewis—*For Heading Bolts.*



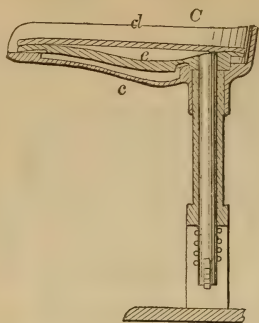
76215—O. Luce—*Hay Raker and Loader*



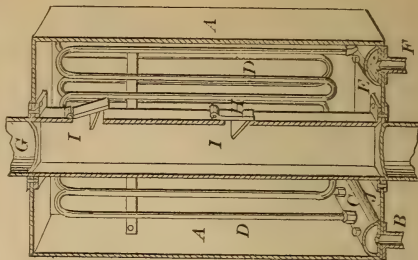
76214—Loveldge & Grindrod—*Skate.*



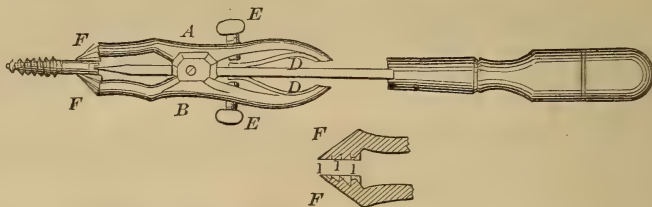
76216—Lucy & Murphy—*For
Lining Boots and Shoes.*



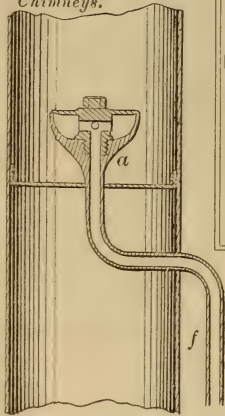
76217—G. W. Mack—*Feed Water Heater for
Steam Generators.*



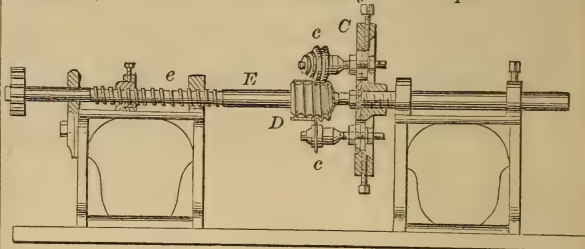
76218—J. W. Marsh—*Combination Tool.*



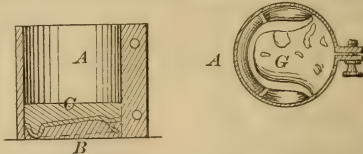
76219—W. H. Martin—*Creating Draft in
Chimneys.*



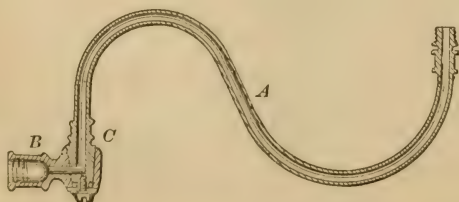
76220—J. L. Mason—*For Threading Screw Caps.*



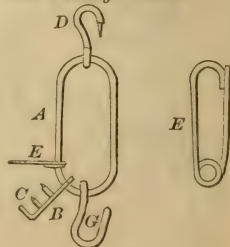
76221—J. A. McClelland—*Artificial Teeth Mould.*



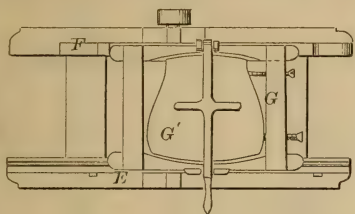
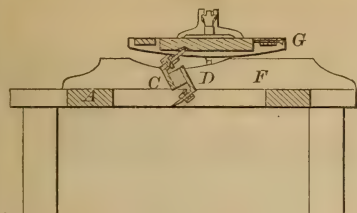
76222—E. McClintock—*Gas Fixture.*



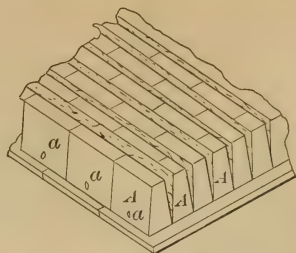
76224—J. K. McDonald—*Door
and Package Holder.*



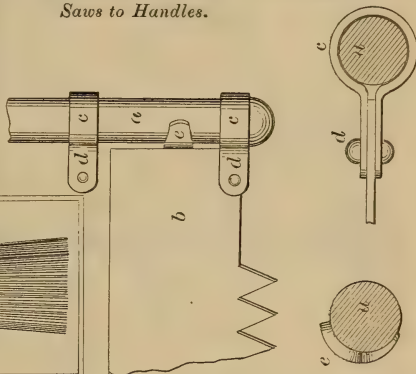
76226—H. Meyer—*For Dressing Chair Seats.*



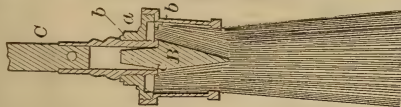
76227—Miller & Mason—*Wood Pavement.*



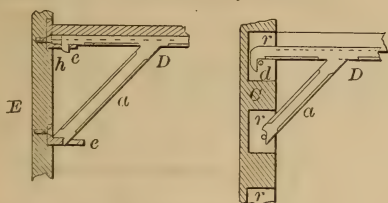
76228—W. P. Miller—*Attaching Cross Cut Saws to Handles.*



76230—J. W. Moore—*Paint Brush.*



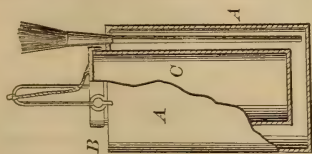
76232—E. S. Moore—*Shelf Bracket.*



76229—D. Miller—*Paint Can.*



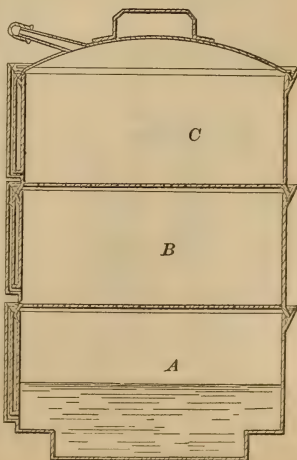
76233—W. F. Muchmore—*Glue Can.*

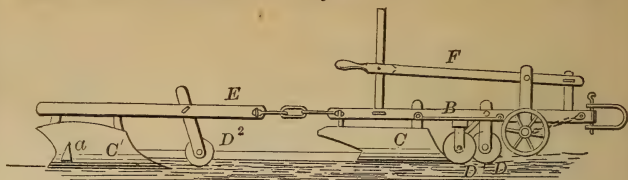
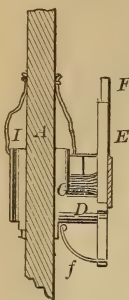
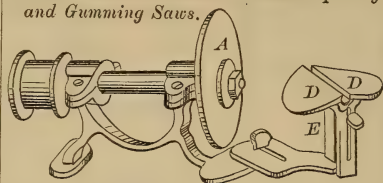
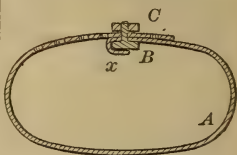
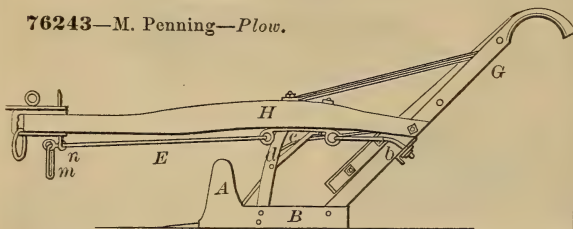
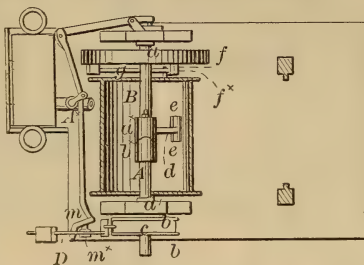
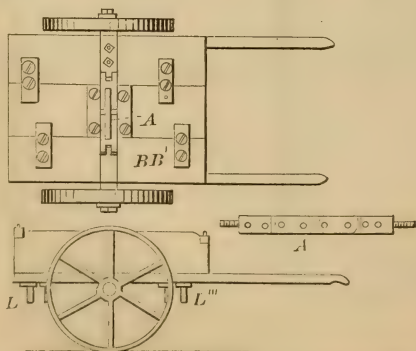
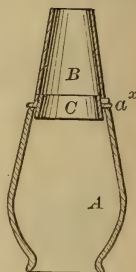
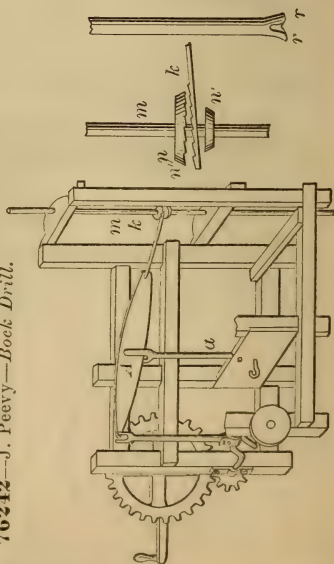


76234—J. Nealey, Jr.—*Lacing Device.*

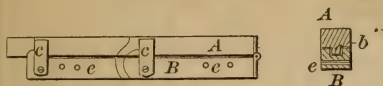


76231—F. Morandi—*Culinary Apparatus.*

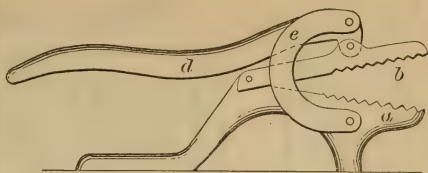


76237—W. A. Nichols—*Ditching Machine.***76235**—T. Newison, Jr.—*Hoe Seed Dropper.***76236**—A. W. Newhall—*For Sharpening and Gumming Saws.***76238**—H. W. Oliver, Jr.—*Band for Baling Cotton.***76243**—M. Penning—*Plow.***76240**—C. R. Otis—*Hoisting Apparatus.***76241**—F. Parkerson—*Wheelbarrow.***76239**—Onions & Roberts—*Lamp Chimney.***76242**—J. Peavy—*Rock Drill.*

76246—C. Powers—*Clamp for Holding Palm Leaf Warp.*



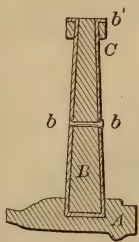
76247—E. L. Pratt—*Nut Cracker.*



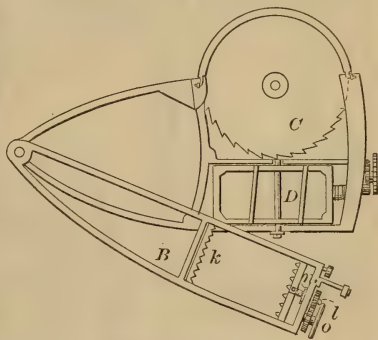
76248—W. Richardson—*Basket Holder.*



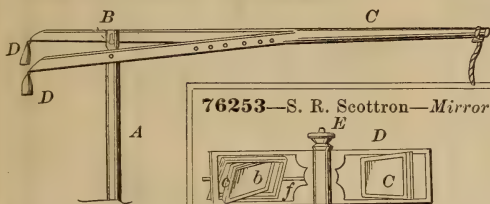
76249—P. R. Ridgely—*Wagon Wheel.*



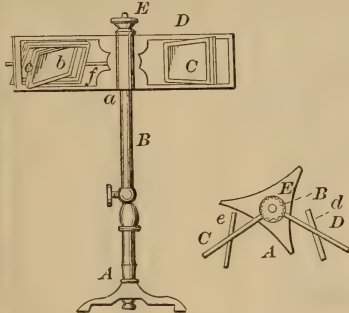
76250—D. W. Roche—*Shingle Machine.*



76251—J. Scribner—*Animal Tether.*



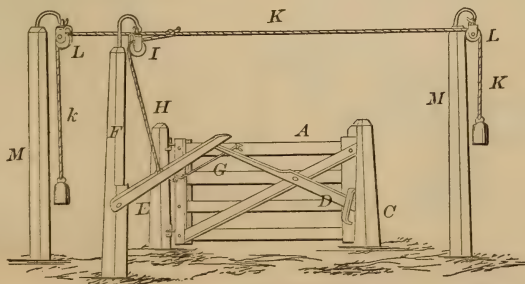
76253—S. R. Scottron—*Mirror.*



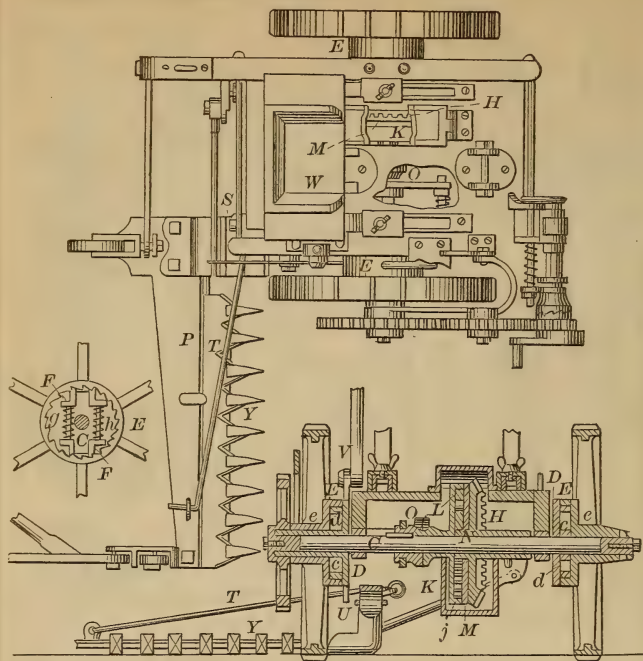
76252—L. J. Schaefer—*Curtain Fitter.*



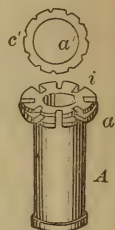
76251—E. Roth—*Gate.*



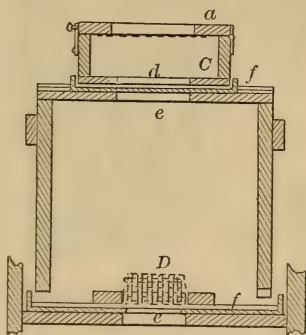
76255—A. Shebanck—*Harvester.*



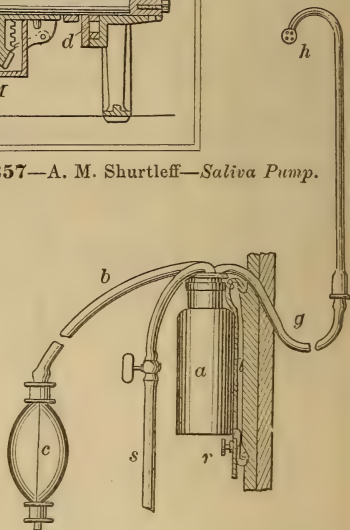
76259—O. M. Smith—*Umbrella Run*.



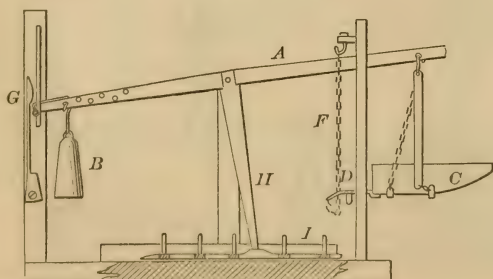
76258—Smith & Reed—*Beehive*.



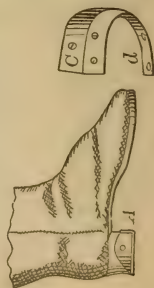
76257—A. M. Shurtleff—*Saliva Pump*.



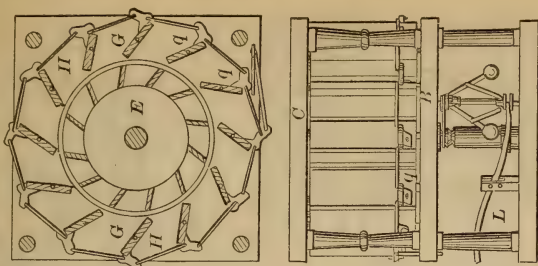
76260—J. H. Soule—*Milk Stirrer.*



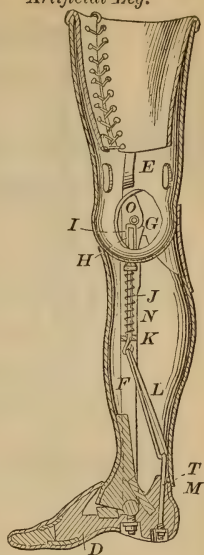
76262—A. H. Southwick—
Heel Protector.



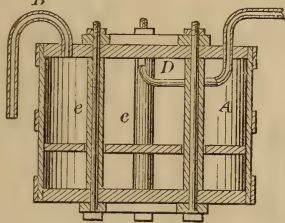
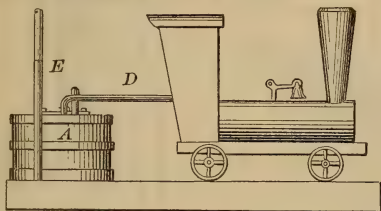
76261—A. H. Southwick—*Windmill*.



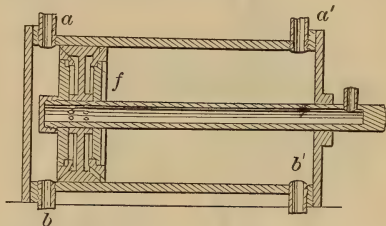
76267—A Strasser—
Artificial Leg.



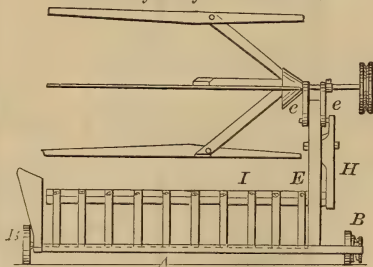
76264—C. L. Stevens—*Steam Water Elevator.*



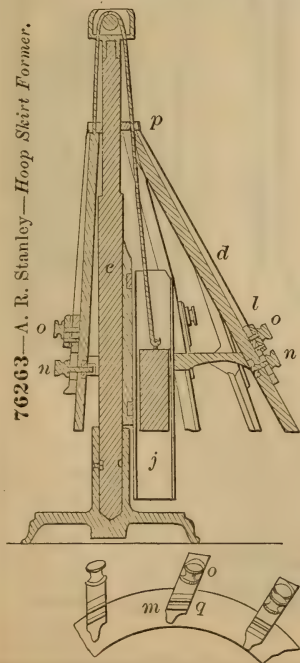
76268—W. Swayne—*Piston*.



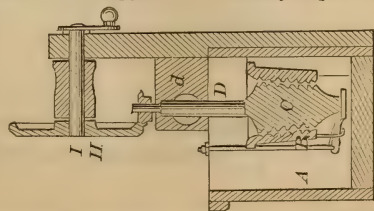
76269—C. R. & J. O. Taber—*Dropping Platform for Harvesters.*

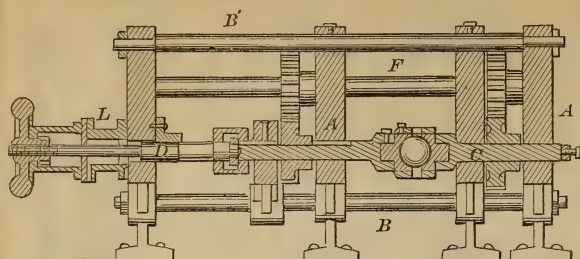
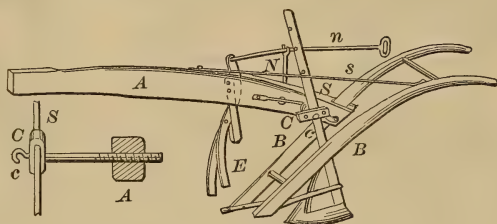
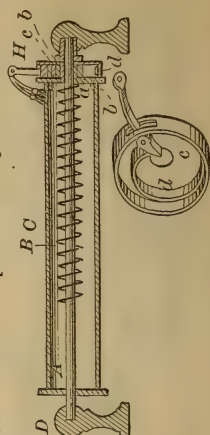
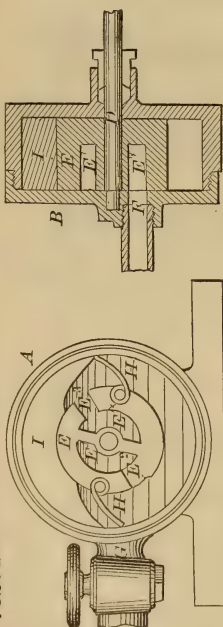
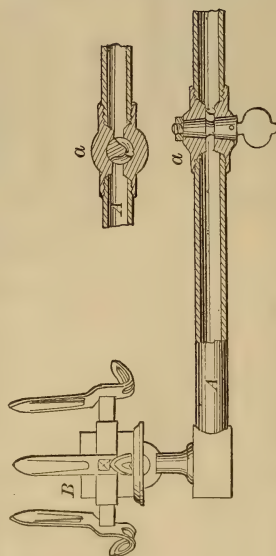
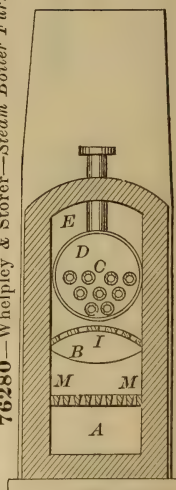


76263—A. R. Stanley—Hoop Skirt Former.

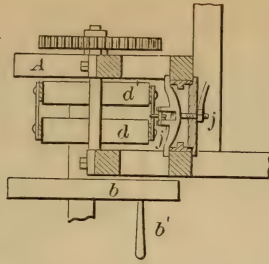
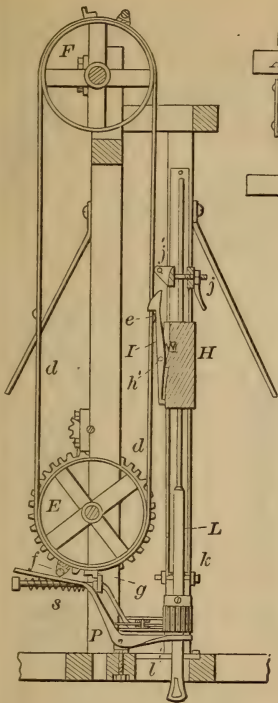


76270—J. Taggart—*For Making Paper Pulp.*

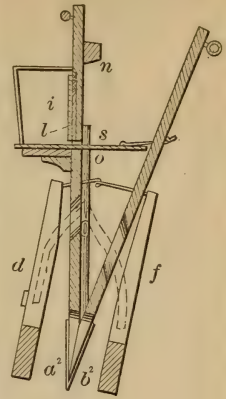


76271—J. B. Tarr—*Manufacture of Spherical Shot and Shell.***76275**—S. D. Tuttle—*Subsoil Plow.***76273**—C. E. Thompson—*Carriage Curtain Picture.***76274**—C. Turner—*Water Meter.***76277**—S. B. H. Vance—*Gas Burner Cock.***76280**—Whelpley & Storer—*Steam Boiler Furnace.***76278**—A. C. Vaughan—*Auger.*

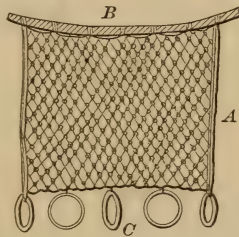
76279—W. Weiler—*Rock Drilling Machine.*



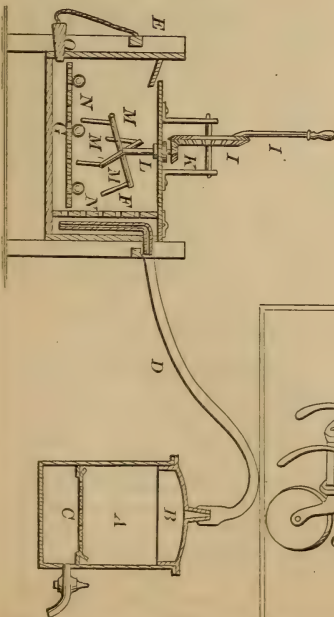
76282—T. H. Wible—*Corn Planter.*



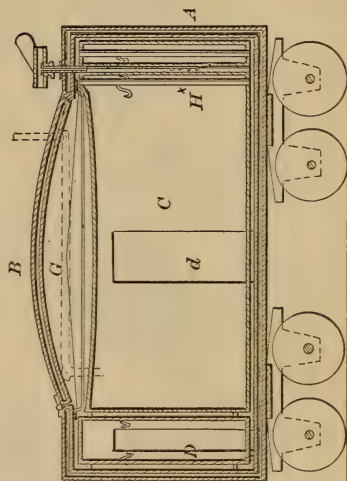
76284—D. Wills—*Gill Net.*



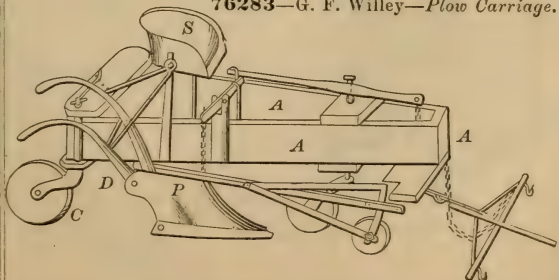
76281—L. H. Whitney—*Washing Machine.*



76285—G. K. Wood—*Refrigerating Car.*



76283—G. F. Willey—*Plow Carriage.*



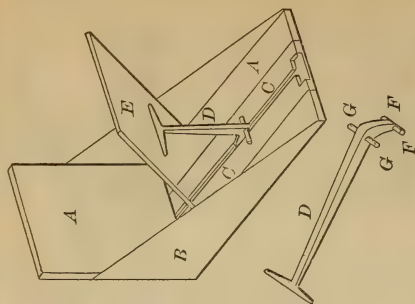
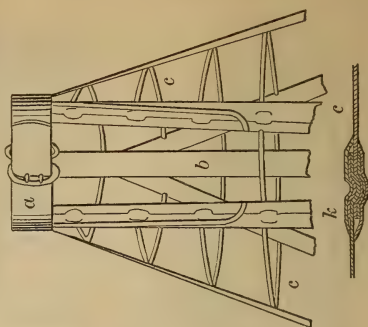
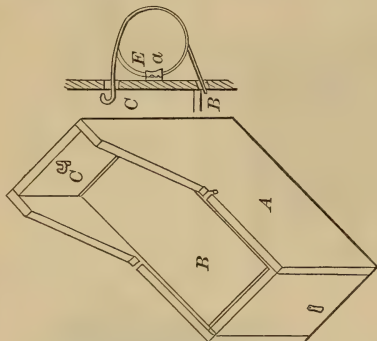
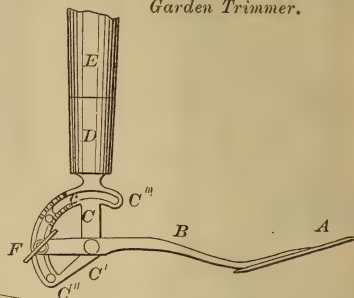
76287—Woodruff & Green—*Paper File.*76291—A. R. Stanley—*Hoop Skirt.*76289—W. L. Starr—*Animal Trap.*76288—I. Pardee—*Scuffle Hoe and Garden Trimmer.*76292—G. G. Wolfe—*Cooking Stove Tank.*

Fig. 1

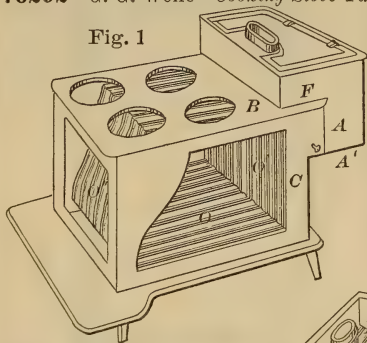


Fig. 2

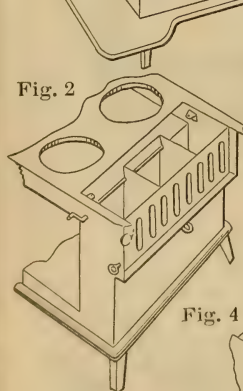


Fig. 4

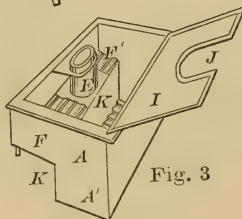
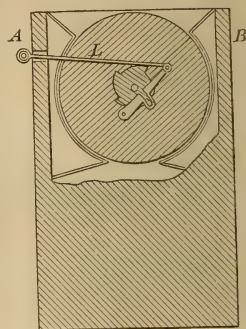
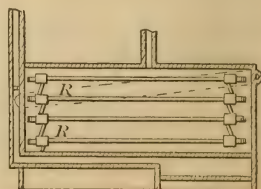
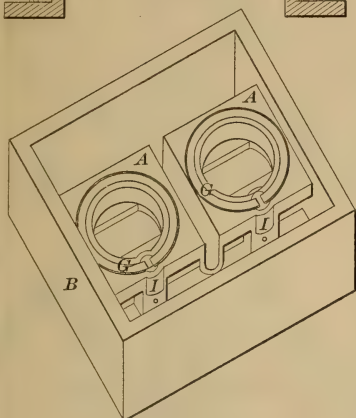
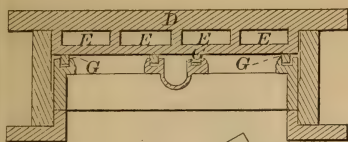


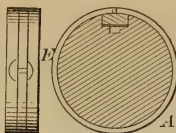
Fig. 3

76290—J. E. Woodruff—*Fare Box for Passenger Cars.*76293—W. Mullee—*Manufacture of Hard Rubber.*

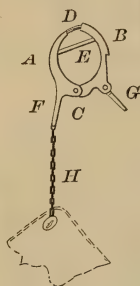
76294—T. A. Bisbee—*Slide Valve.*



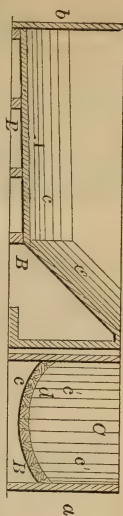
76295—T. A. Bisbee—*Piston Packing.*



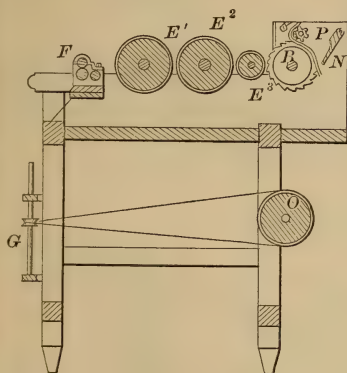
76297—J. Brosius—*Safety Pocket Attachment.*



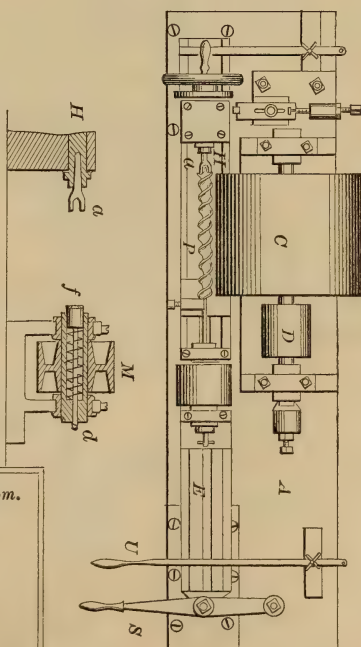
76298—A. C. Brownell—*Bath Tub.*



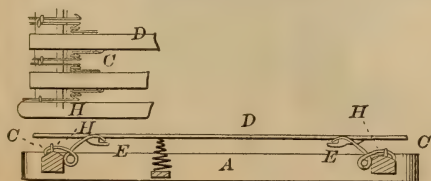
76299—J. E. Burdge—*Spinning Machine.*

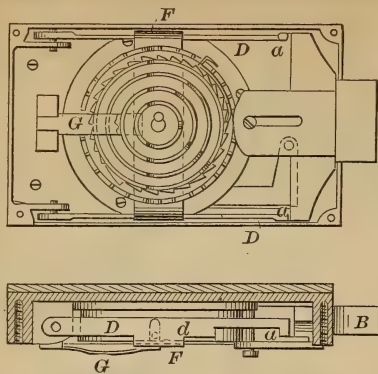
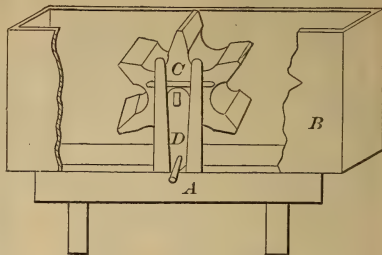
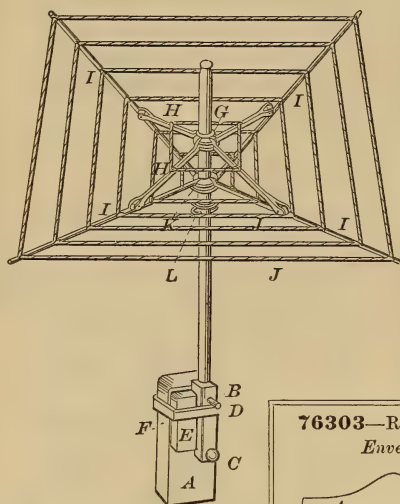
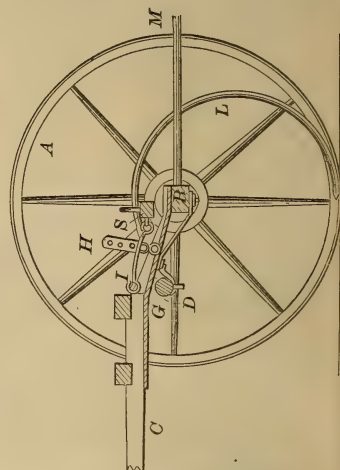
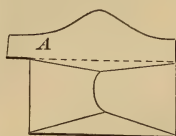
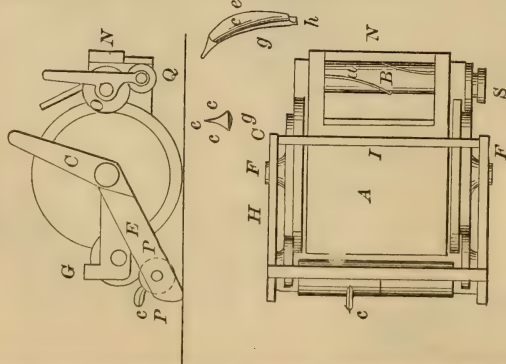
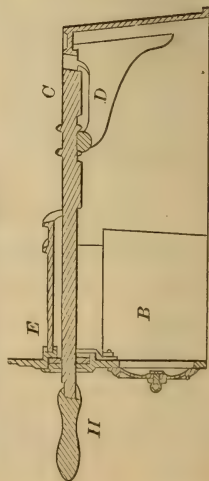


76301—E. O. & E. Carrington—*For Grinding and Cutting Down Augers.*

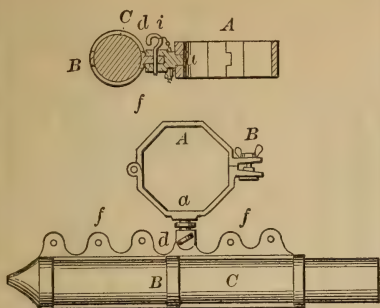


76296—L. R. Bradbury—*Spring Bed Bottom.*

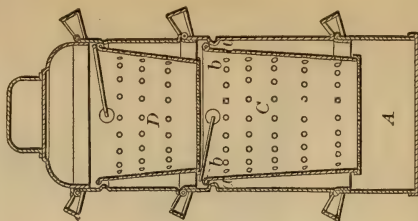


76300—W. C. Bussey—*Combination Lock.*76304—J. L. Colburn—*Butter Worker.*76305—H. P. Crouse—*Clothes Dryer.*76307—G. Deal—*Horse Rake.*76303—R. S. Clark—*Envelope.*76306—C. G. Curtis—*Seed Sower and Cultivator.*76302—G. Chilison—*Store Grate.*

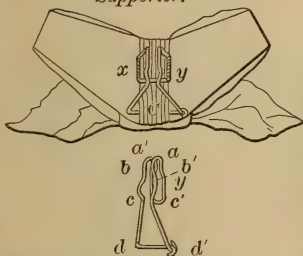
76309—G. Dowling—*Spritsail Boom Sling.*



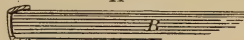
76310—H. L. Dunklee—*Culinary Vessel.*



76312—G. R. Eager—*Necktie Supporter.*



76311—J. Dyer—*Self-Canceling Railway Ticket.*



6313—N. T. Edson—*Washing Machine*

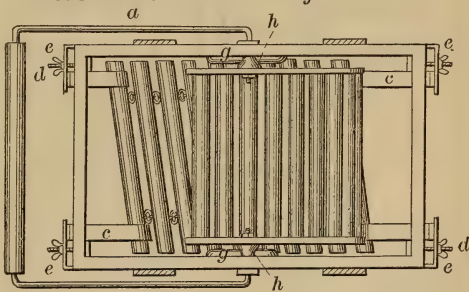
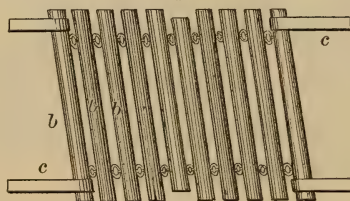
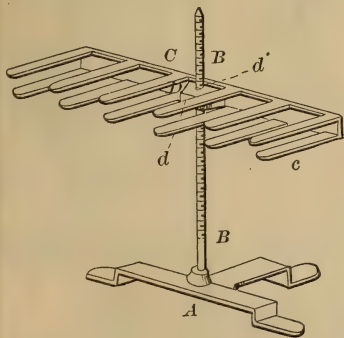


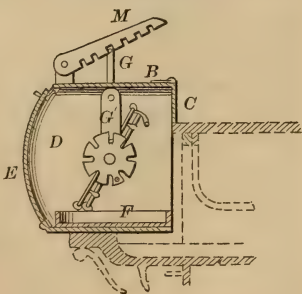
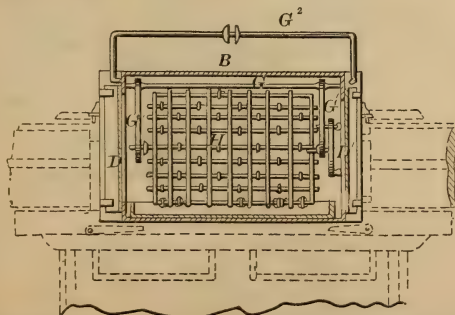
Fig. 4



76316—M. E. A. W. Evard—*Toaster.*



76314—M. E. A. W. Evard—*Broiling Apparatus.*



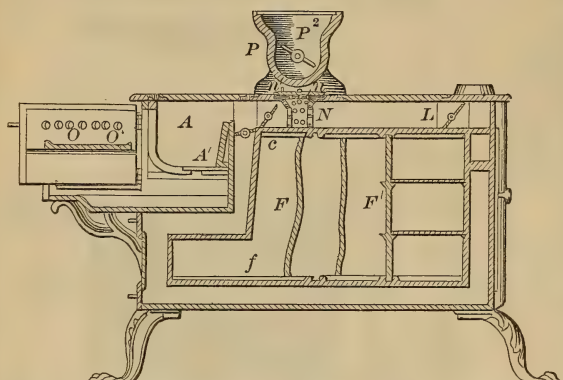
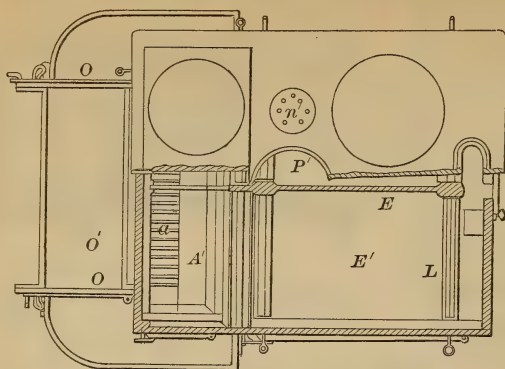
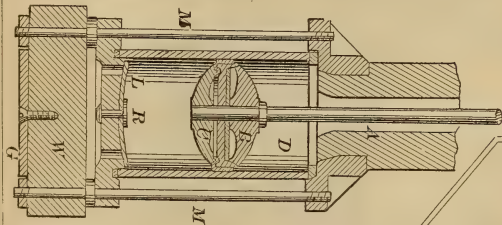
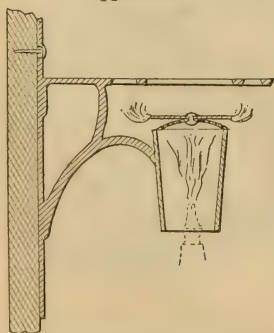
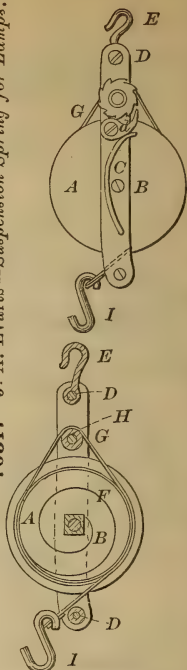
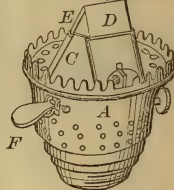
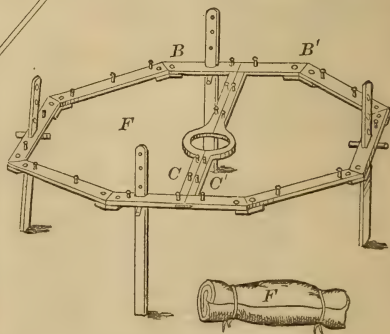
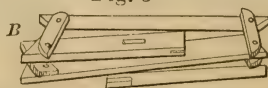
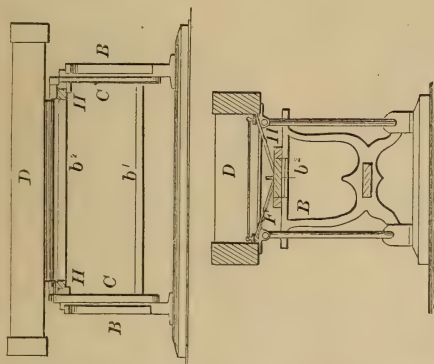
76315—M. E. A. W. Evard—*Cooking Stove.*76318—A. Fisher—*Pump.*76321—M. Germann—*Gas Cooking Apparatus.*76317—J. A. Evarts—*Suspension Spring for Lamps.*76319—J. W. Fowle—*Lamp Extinguisher.*76320—C. W. Gage—*Fruit Gatherer.*

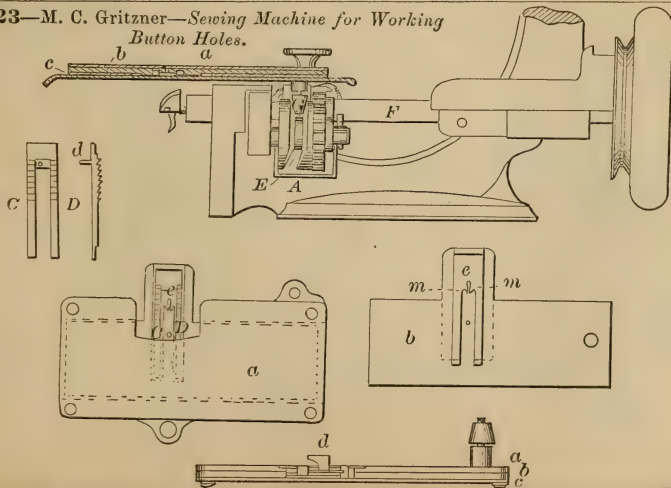
Fig. 3



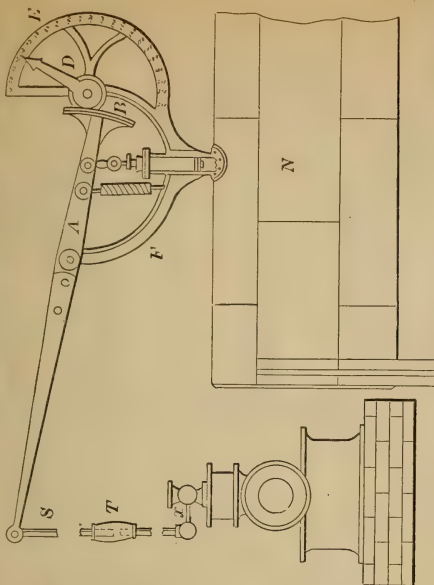
76325—S. B. Holden—Car Seat.



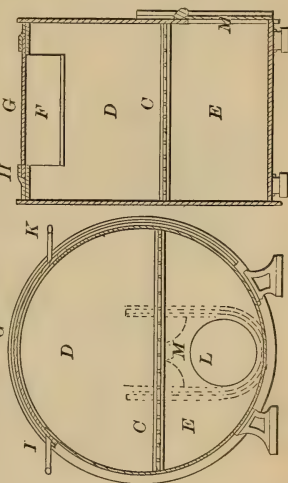
76323—M. C. Gritzner—Sewing Machine for Working Button Holes.



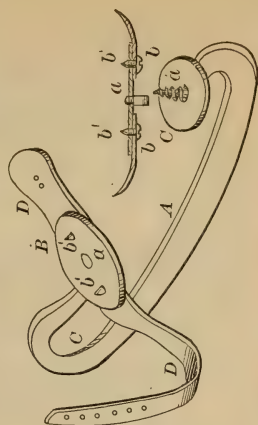
76322—J. W. Gray—Steam Engine Governor



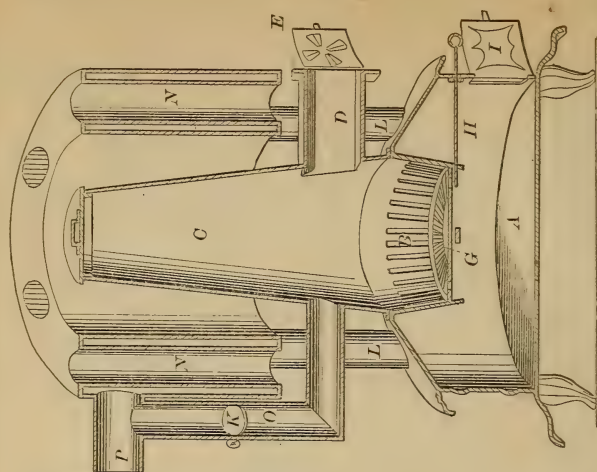
76327—S. S. Hughson—Sifter.



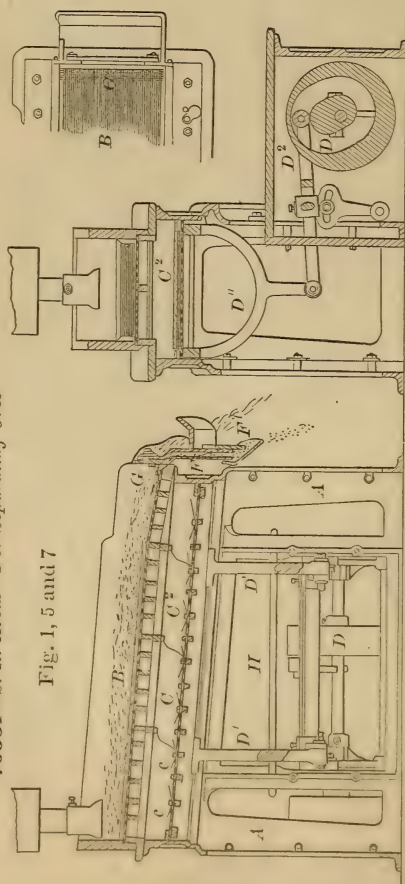
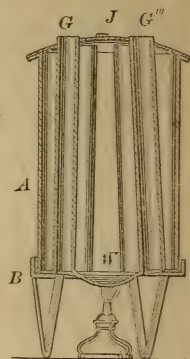
76324—M. C. Haight—Skate



76326—R. Holmes—Base Burning Stove.



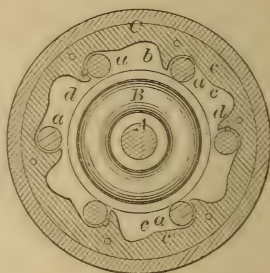
76329—J. Johnson—Heating Apparatus.



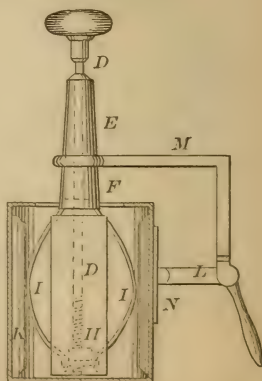
76331—S. R. Krom—For Separating Ores.

Fig. 1, 5 and 7

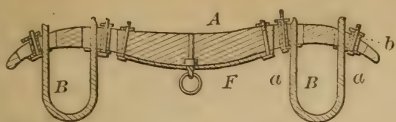
76328—Johnson & Birch—Friction Clutch.



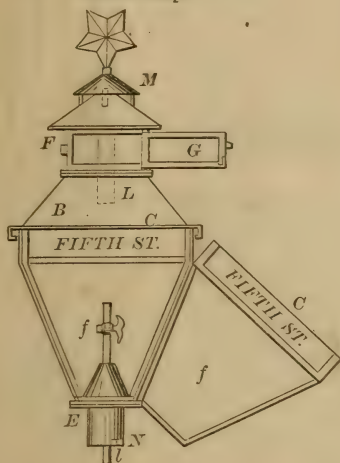
76330—Kerr & Kelly—For Holding Cans while being Soldered.



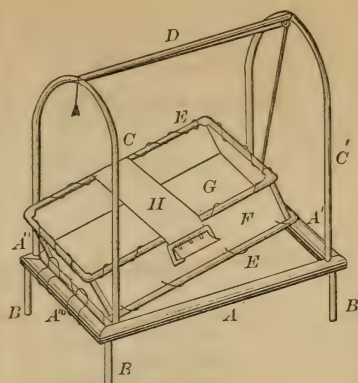
76332—I. W. Little—*Ox Yoke.*



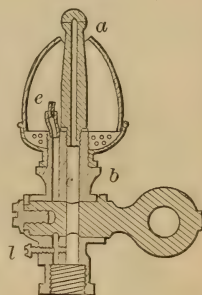
76335—T. T. Markland, Jr.—*Street Lamp.*



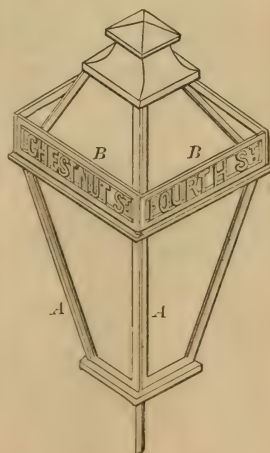
76336—M. E. J. Marr—*Child's Bed.*



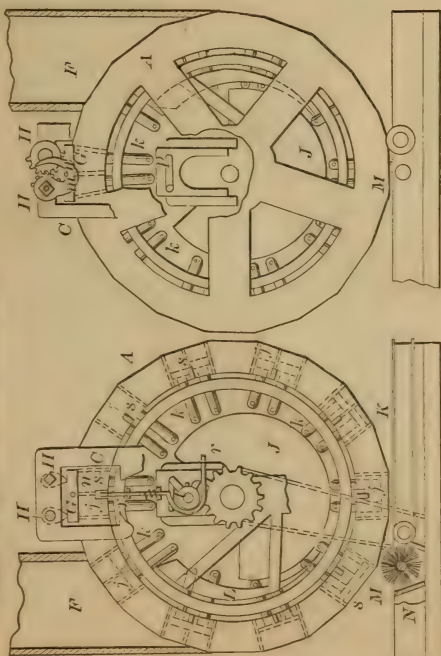
76333—R. B. Locke—*Gas Burner.*



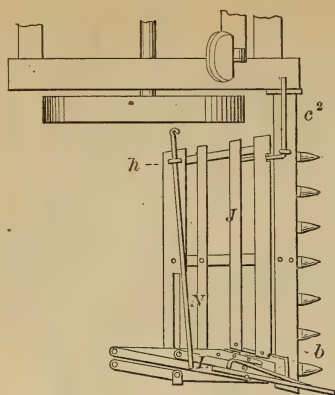
76334—T. T. Markland, Jr.—*Name Plate for Street Lamps.*



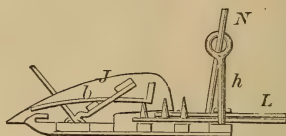
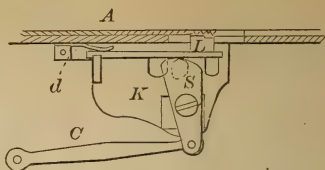
76337—I. Martin—*Brick Machine.*



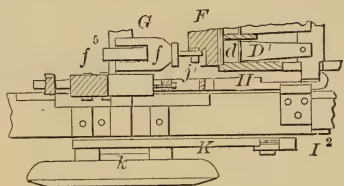
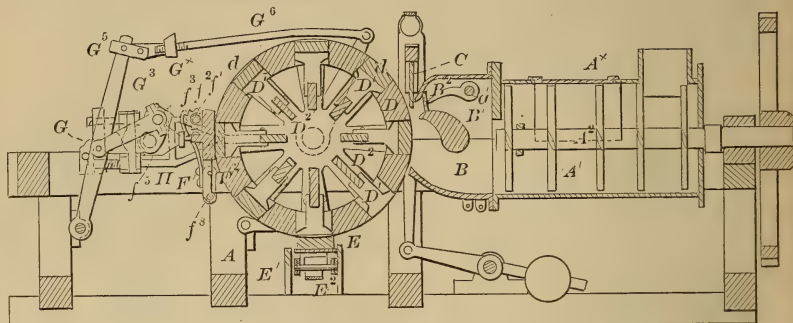
76339—D. Mendenhall—Harvester Rake.



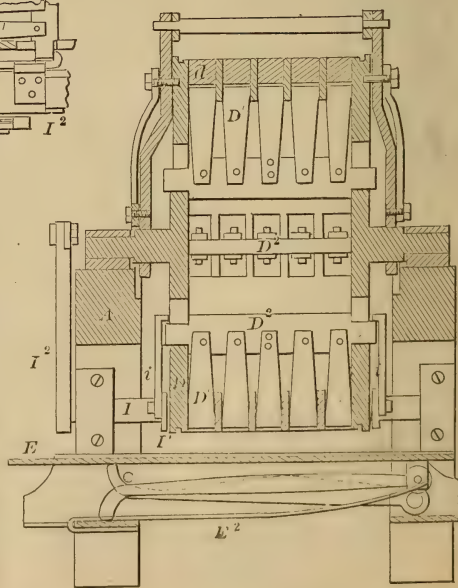
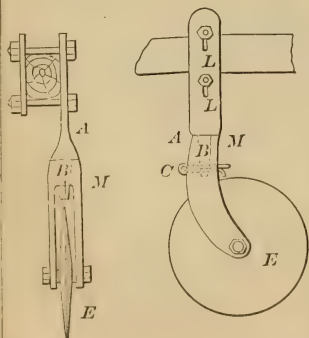
76340—J. A. Minor—Sewing Machine.



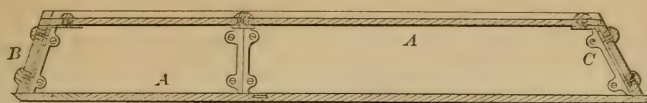
76341—J. W. Osgood—Brick Machine.



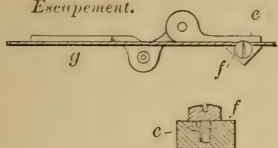
76343—J. C. Pfeil—Rotary Cutter for Plows.



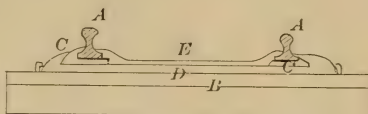
76344—Potter & Jones—*Coffin*.



76346—G. P. Read—*Chronometer Escapement*.



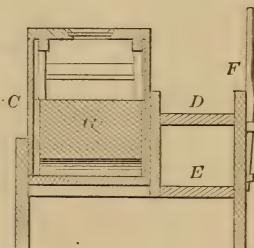
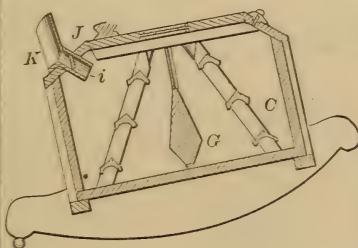
76348—E. Robbins—*Railway*.



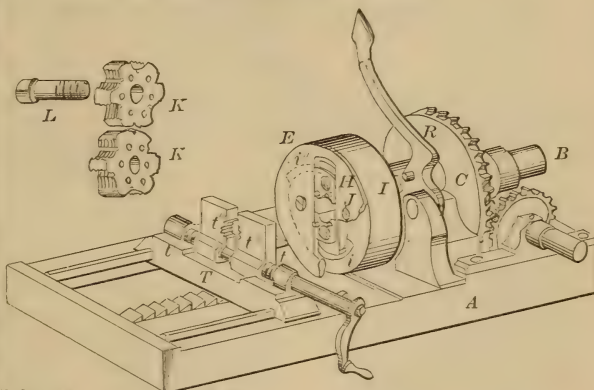
76347—Reeves & Solomon—*Button Hole for Paper Articles of Weaving Apparel*.



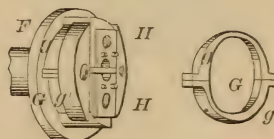
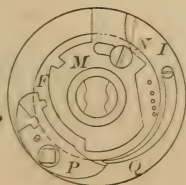
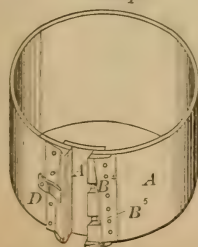
76350—T. Rose—*Churn*.



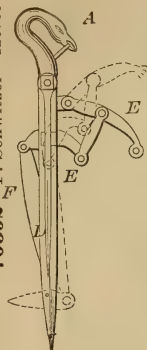
76351—E. Royon—*Screw Cutting Machine*.



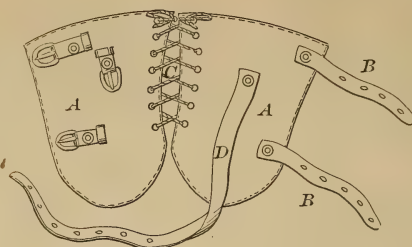
76345—S. Purdy—*Cheese Hoop*.



76352—P. Schwitzer—Horse Hay Fork.



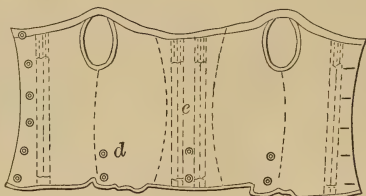
76353—S. B. Sherer—Ankle Brace.



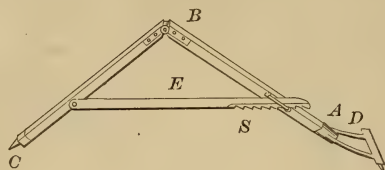
76356—J. A. Stansbury—Hane Lock.



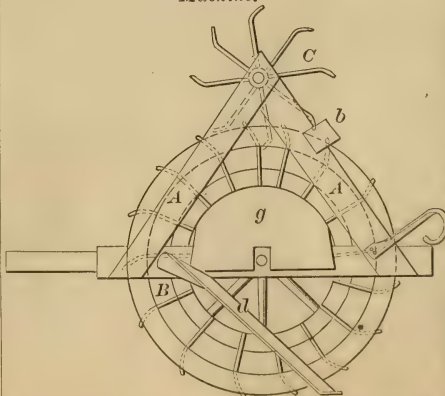
76354—M. B. Solomon—Children's Corsets.



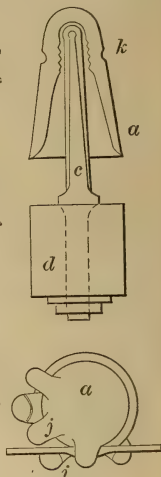
76355—L. B. Southworth—Carpet Stretcher.



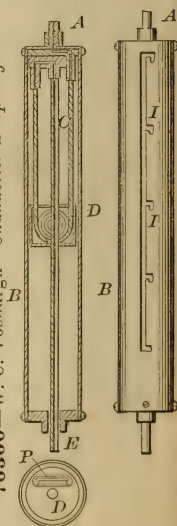
76359—Vaughn & Chamness—Ditching Machine.



76358—C. F. Varley—Electric Telegraph.



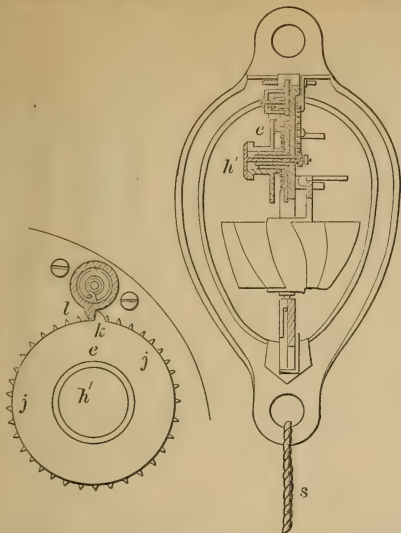
76360—W. C. Vosburgh—Chandelier Drop Light.



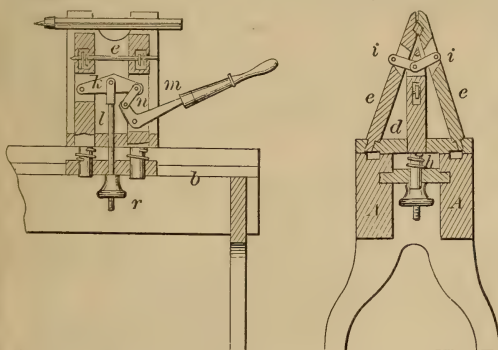
76357—S. Thompson—Attaching Shafts to Vehicles.



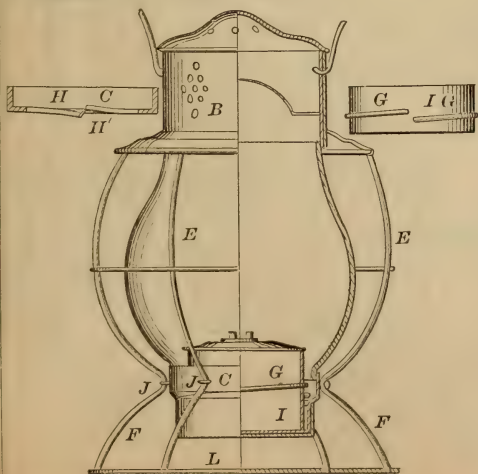
76361—T. & T. F. Walker—For Taking Soundings.



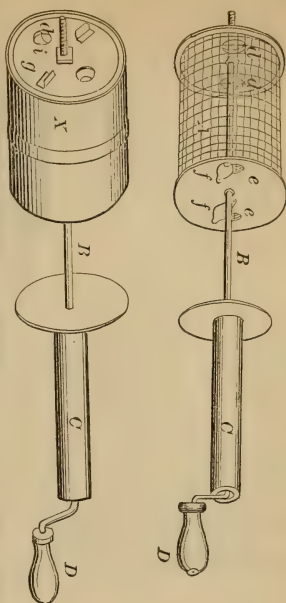
76363—W. J. Watson—Wood Turning Lathe.



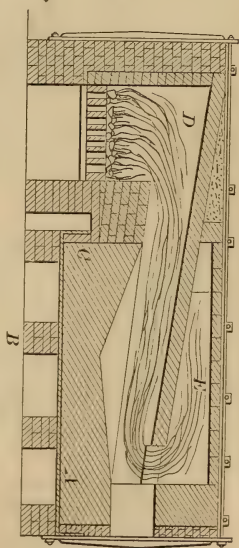
76366—W. Westlake—Lantern.

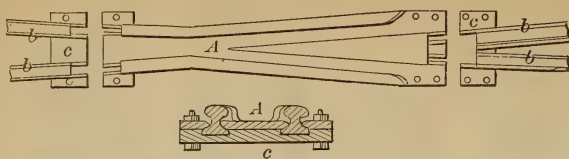
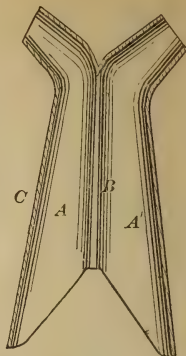
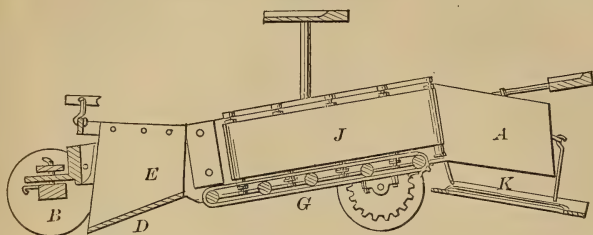
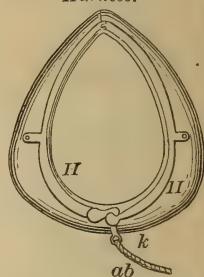
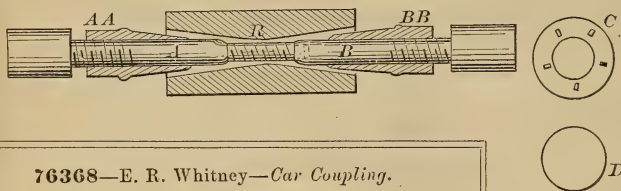
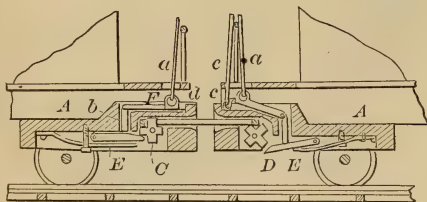
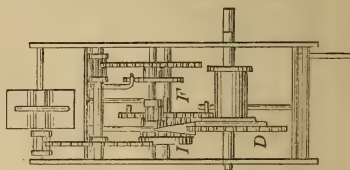
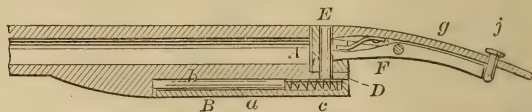
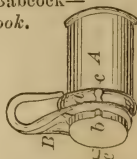
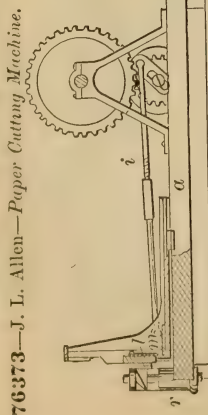
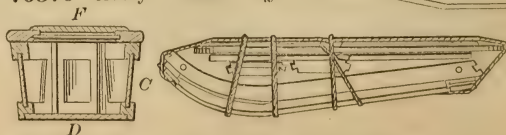


76362—L. A. Warner—Popper and Rooster.

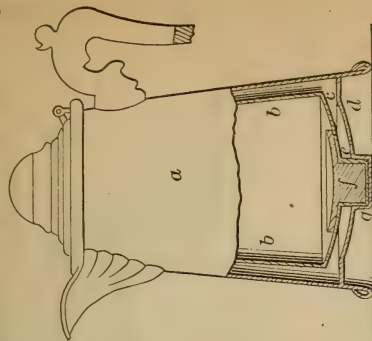


76364—D. P. Webster—Furnace for Smelting Lead Ores.

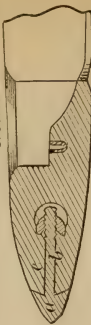


76365—G. Westinghouse, Jr.—*Railway Frog.*76367—W. Westlake—*Tea Pot Spout.*76371—B. P. Wright—*Potato Digger.*76369—W. S. Wood—*Harness.*76372—D. L. Allen—*Expanding Mandrel.*76368—E. R. Whitney—*Car Coupling.*76370—R. Woolworth—*Clock.*76374—C. H. Alsop—*Breech Loading Fire Arm.*76375—E. Atkinson—*Roof.*76375—C. A. Babcock—*Whiffletree Hook.*76376—Avery & Delill—*Coffin.*76373—J. L. Allen—*Paper Cutting Machine.*

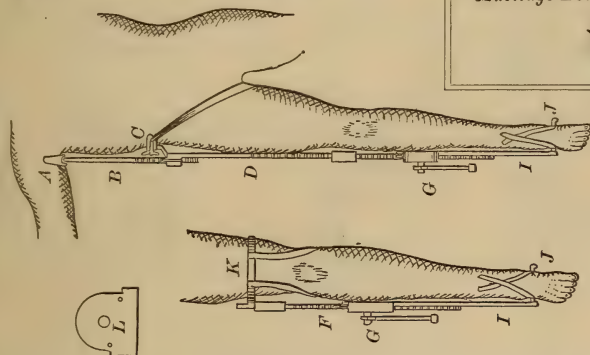
76378—J. B. Bailey—Ice Pitcher.



76380—J. Baldwin—Nut for Joint Bolts.



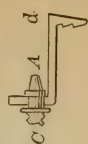
76382—E. H. Barnes—For Treating Fractures.



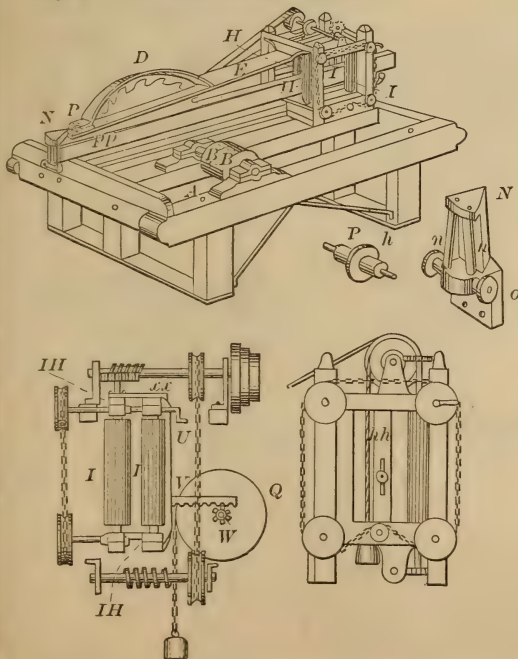
76379—H. O. Baker—Mucilage Bottle.



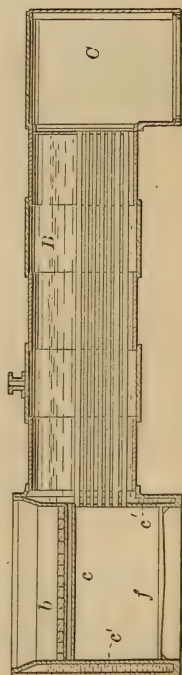
76383—E. H. Barney—Skate.



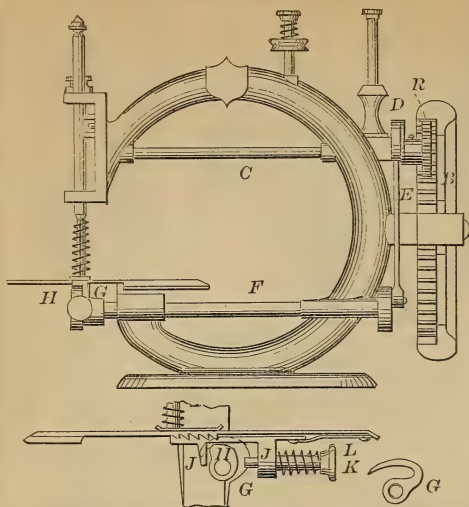
76384—D. B. Bartholomew—Saw Mill.



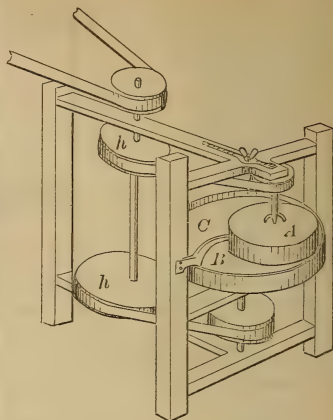
76381—W. Ball—Steam Generator.



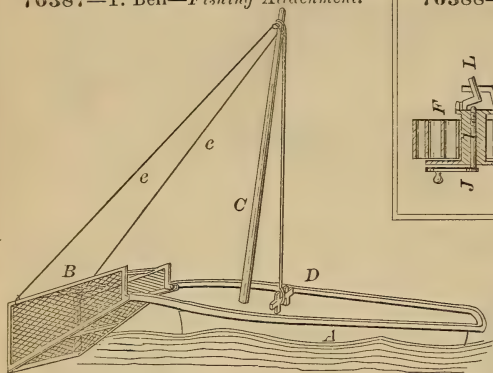
76385—J. W. Bartlett—Sewing Machine.



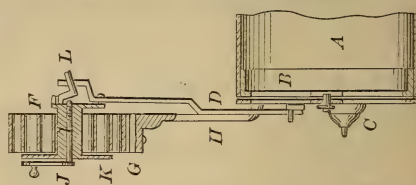
76386—C. Belcher—Paint Mill.



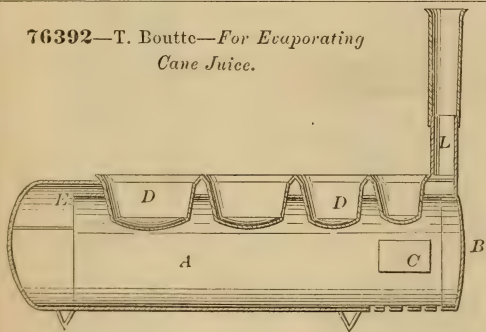
76387—T. Bell—Fishing Attachment.



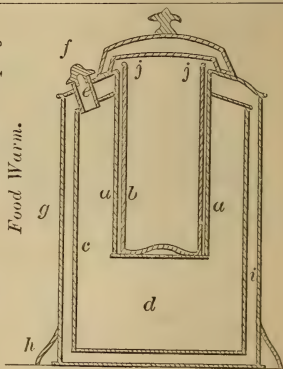
76388—Bender & Teller—Thermostat.



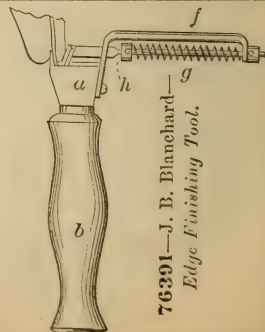
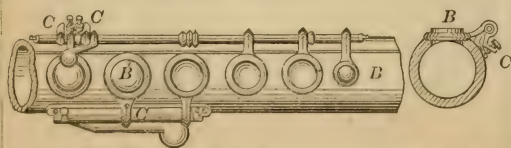
76392—T. Boutte—For Evaporating Cane Juice.



76390—E. Bevan—For Keeping Food Warm.

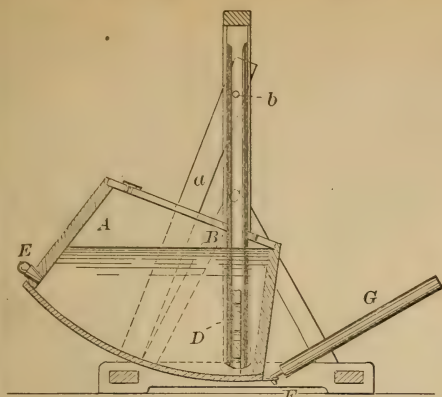


76389—T. Berteling—Flute.

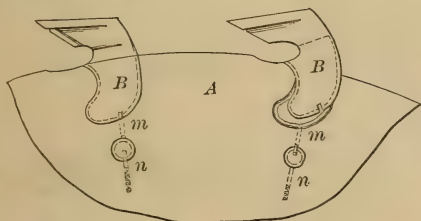


76391—J. B. Blanchard—Edge Finishing Tool.

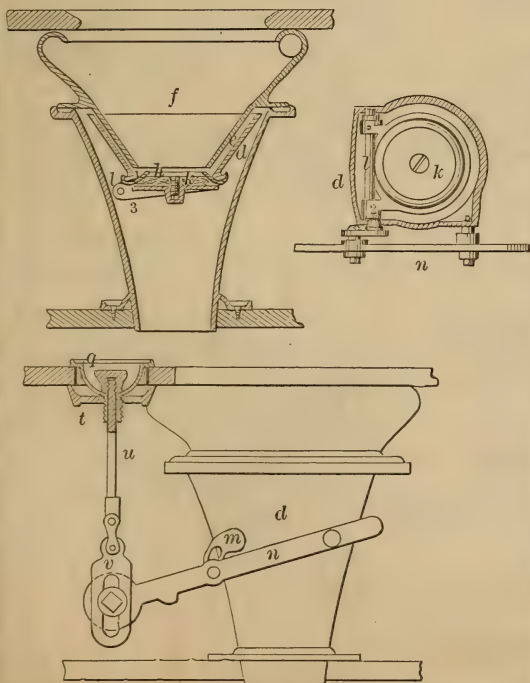
76393—E. Y. Boyce—*Washing Machine.*



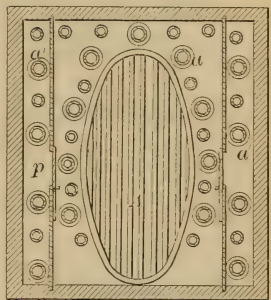
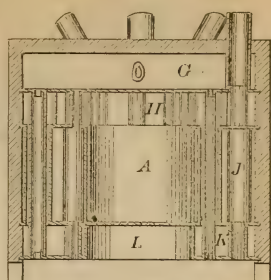
76395—I. S. & C. N. Brown—*Saw.*



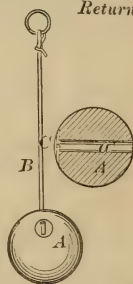
76398—W. S. Carr—*Water Closet.*



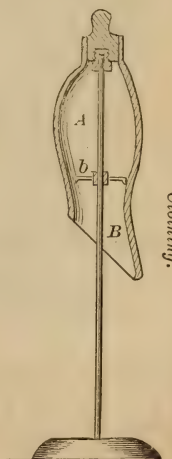
76397—H. G. Burr—*Hot Air Furnace.*



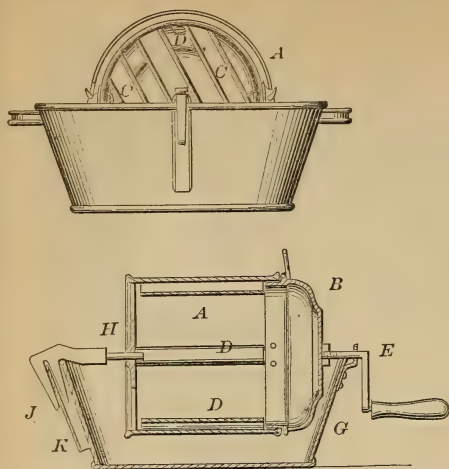
76396—J. Burke—*Musical Return Ball.*



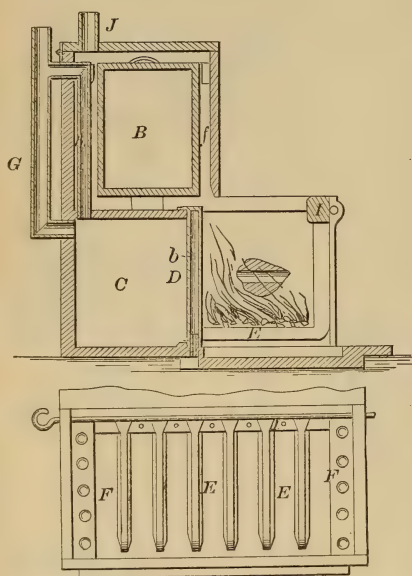
76394—W. E. Brock—*Dummy for Displaying Clothing.*



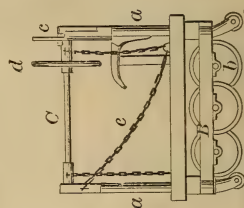
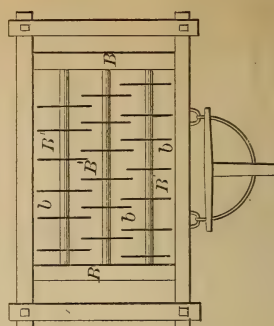
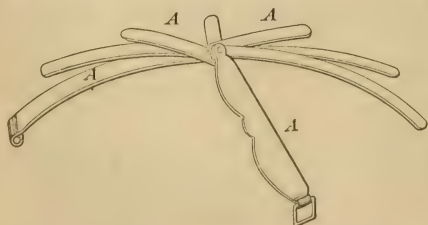
76399—J. M. Chaplin—*Potato Washer and Pan.*



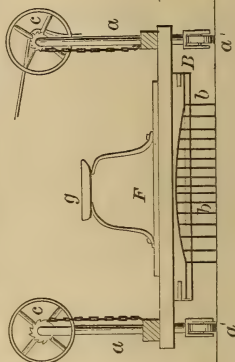
76400—Collins & Knox—*Stove.*



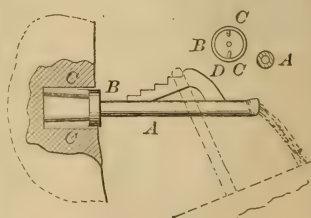
76401—S. F. Conant—*Hair Crimper.*



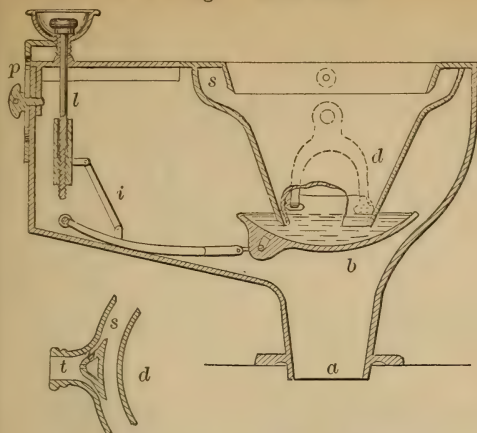
76404—E. Crane—*For Scarifying the Soil.*



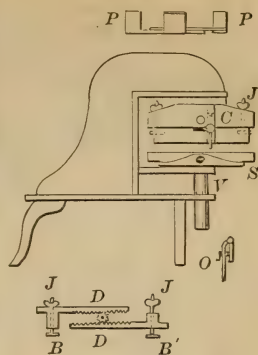
76402—W. Conner—*Sap Spile.*



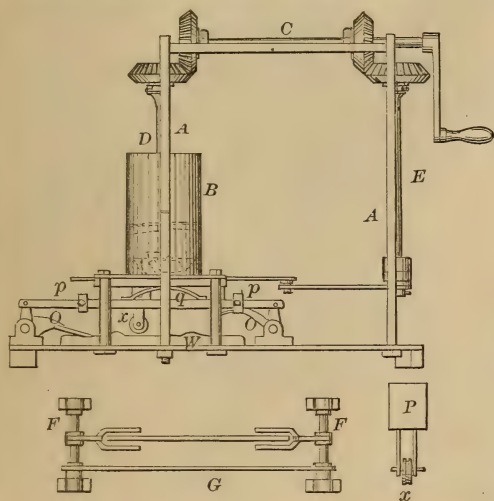
76403—H. H. Craigie—*Water Closet.*



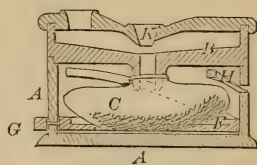
76408—T. A. Curtis—*Sole Cutting Machine.*



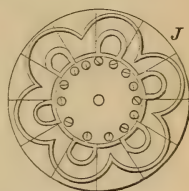
76405—Crighton & Roesler—*Brick Machine.*



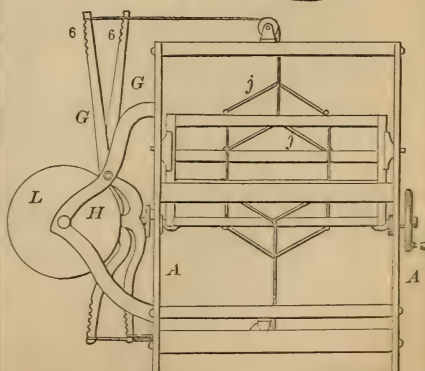
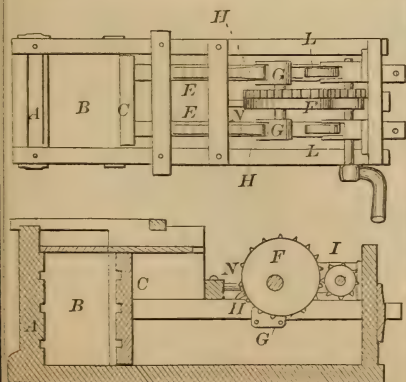
76409—S. Darling—*Inkstand.*



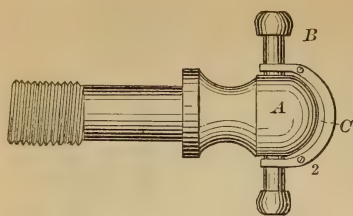
76406—G. Crompton—*Harness Mechanism for Looms.*



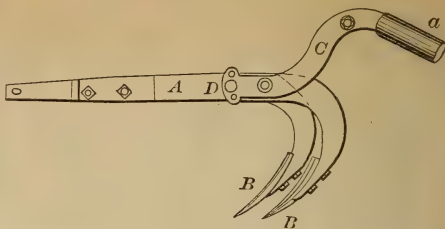
76407—D. Cummings, Jr.—*Baling Press.*



76410—S. Darling—Vise.



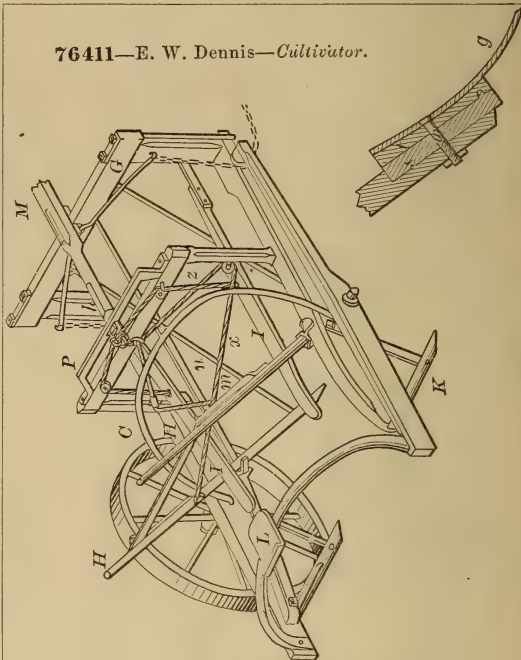
76412—G. W. Deweese—Cultivator.



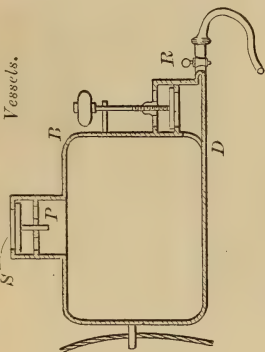
76414—J. S. Dickinson—Comb.



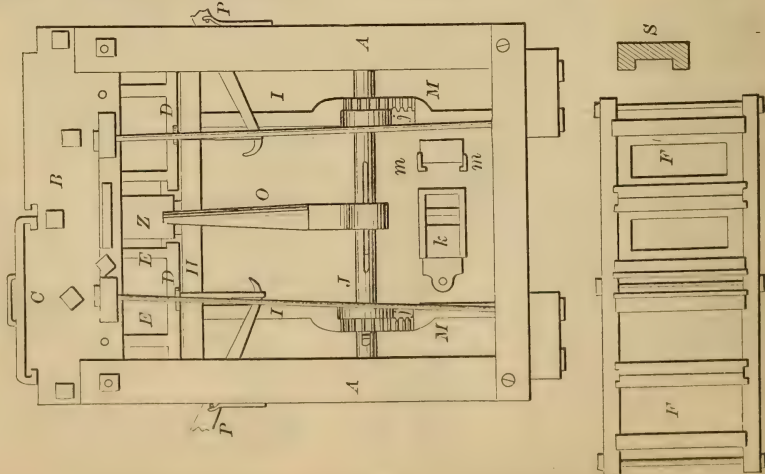
76411—E. W. Dennis—Cultivator.



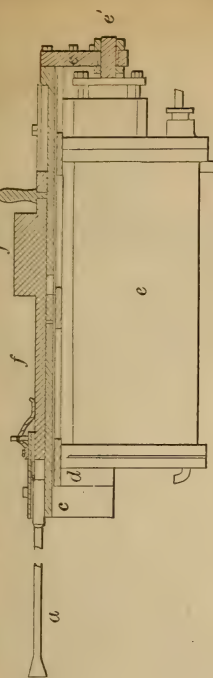
76416—A. Dillon—For Raising Sunken Vessels.



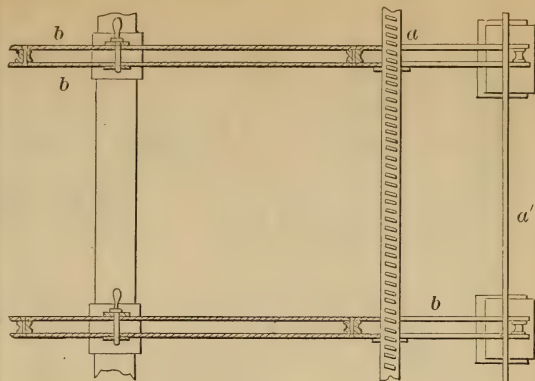
76415—L. Dieterich—Brick Machine.



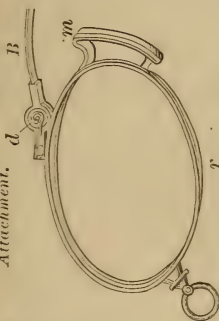
76417—G. E. Donisthorpe—Coal Mining Machine.



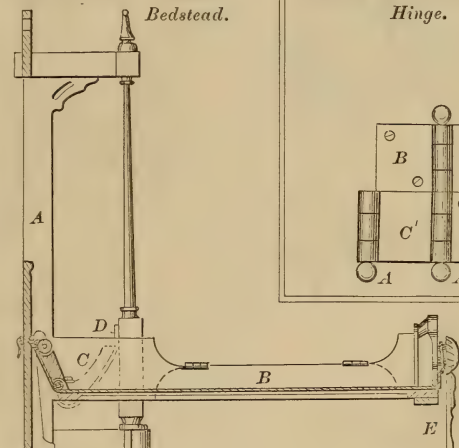
76418—G. E. Donisthorpe—Coal Mining Machine.



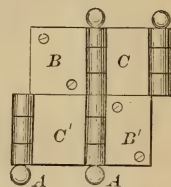
76420—J. Dorn—Eye Glass Attachment.



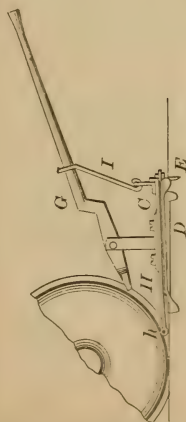
76423—W. H. Dutton—Bedstead.



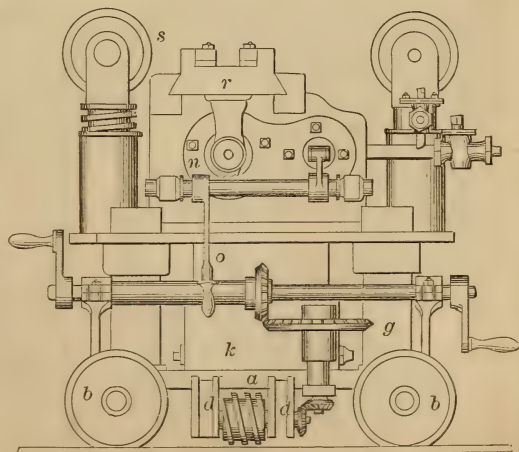
76422—G. Dumbolton—Hinge.



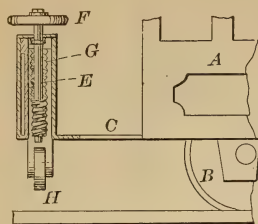
76421—J. Douglass—For Moving Cars.



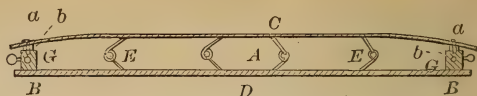
76419—G. E. Donisthorpe—Coal Mining Machine.



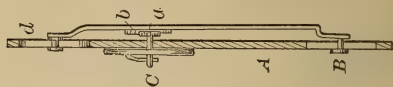
76424—D. Edwards—*Car Replacer.*



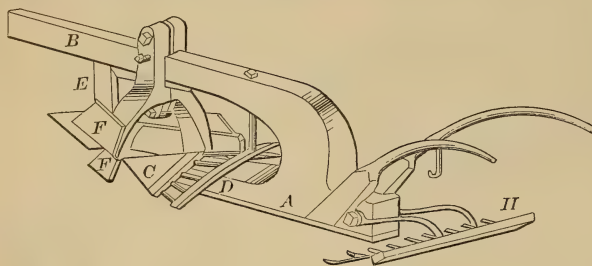
76425—English & Fraps—*Spring Bed Bottom.*



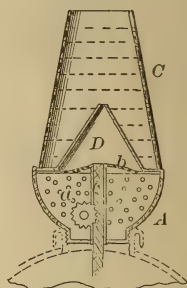
76429—M. M. Follett—*For Converting Motion.*



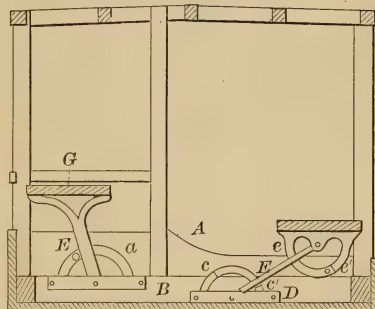
76427—L. Finch—*Potato Digger.*



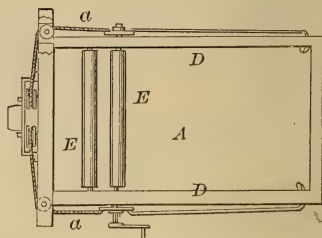
76426—L. Erving—*Lamp Burner.*



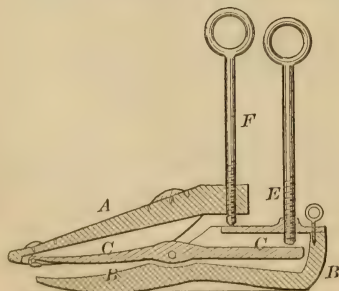
76428—J. Fleming—*Carriage Seat.*



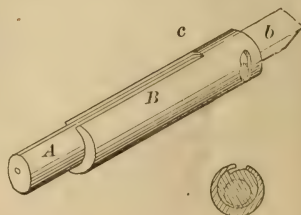
76430—M. M. Follett—*Mop Wringer.*



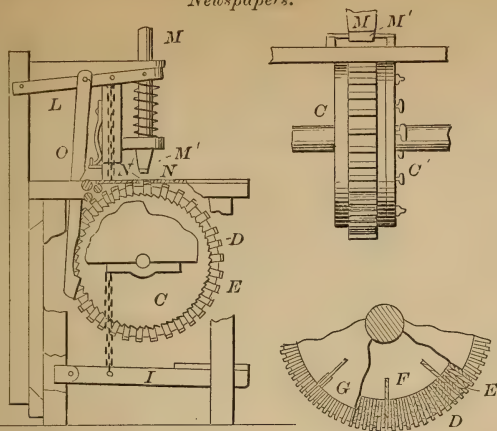
76431—W. Frederick—*Boot and Shoe Stretcher.*



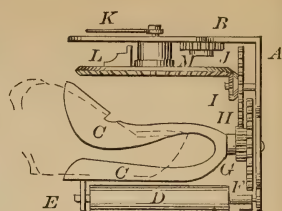
76432—C. French—*Bending Mandrel.*



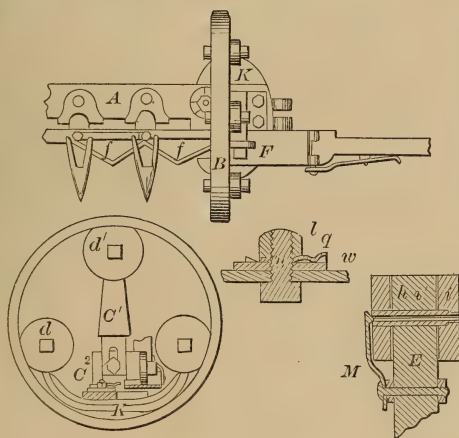
76433—J. C. Gaither—*For Printing Addresses on Newspapers.*



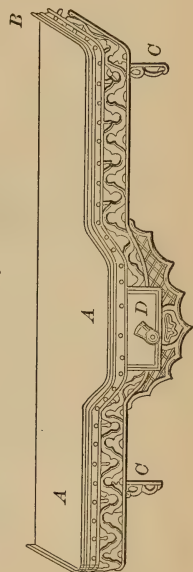
76435—H. Gilbert—*Register.*



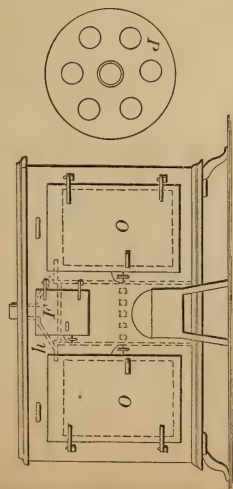
76436—A. B. Graham—*Harvester.*



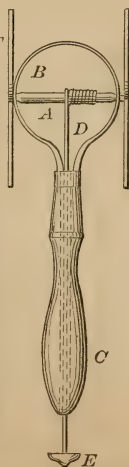
76434—L. Gibbs—*Bracket Shelf and Drawer.*



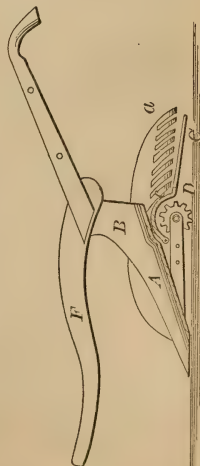
76437—W. H. Graham—*Cooking Range.*



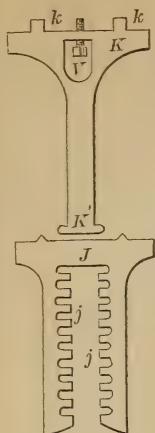
76439—Groves & Turner—*Whirling Toy.*



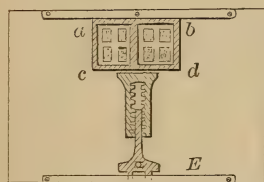
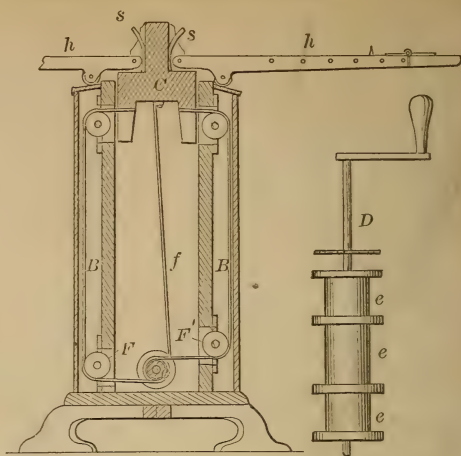
76438—A. Graves—*Potato Digger.*



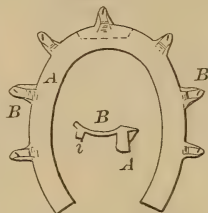
76440—F. T. M. A. Guyon—
Printers' Furniture.



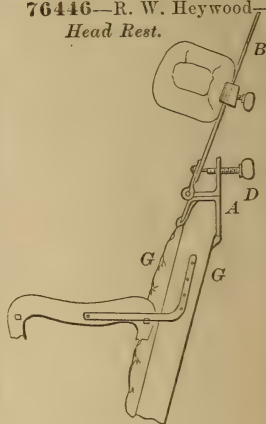
76441—E. R. Hall—*Clothes Dryer.*



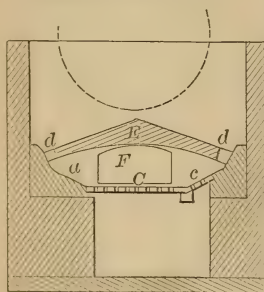
76449—W. Hinds—
Horse Shoe.



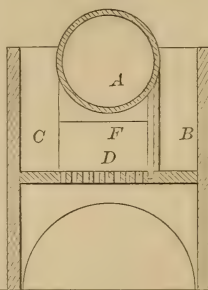
76446—R. W. Heywood—
Head Rest.



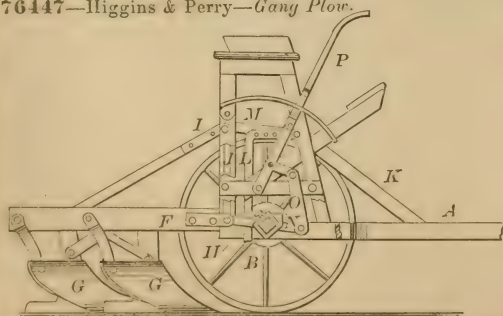
76444—J. J. Heindl—
Furnace Grate.



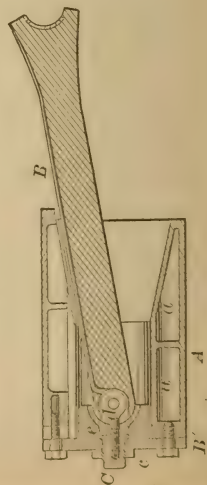
76442—B. A. Haycock—
Furnace Lining.



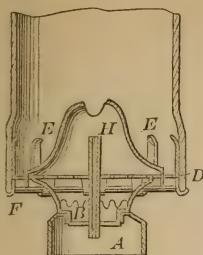
76447—Higgins & Perry—*Gang Plow.*



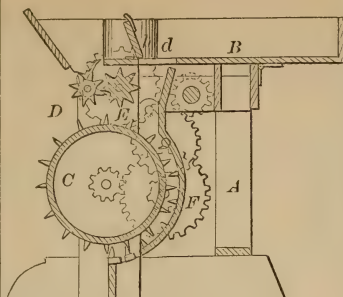
76446—Hinds & Lodge—*Steam Engine Piston.*



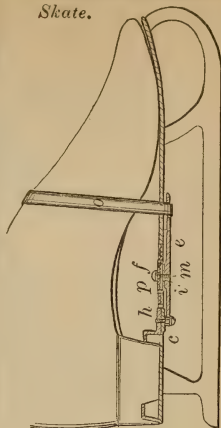
76450—Hoadley & Shipman—*Lamp Burner.*



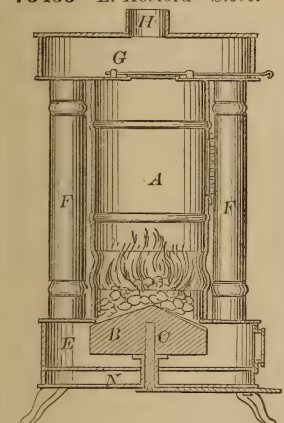
76451—E. Hoffstaetter—*For Picking Hair.*



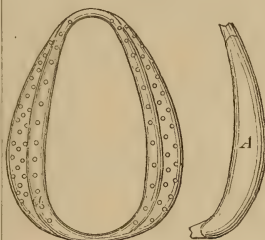
76453—J. Holland—*Skate.*



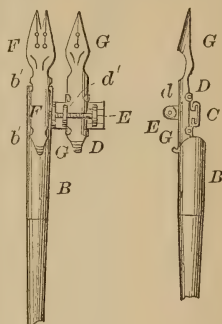
76455—E. Hosford—*Stove.*



76456—I. Houghtling—*Horse Collar.*



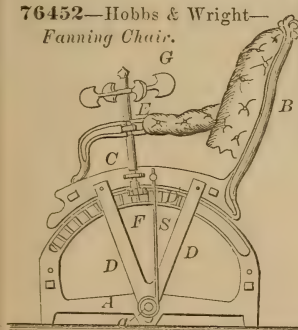
76454—J. H. Holland—*Pen.*



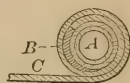
76458—O. P. Howe—*Photographic Transfer.*



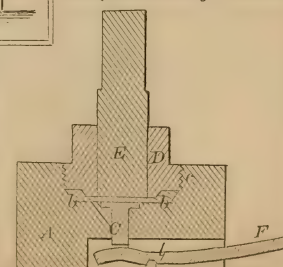
76452—Hobbs & Wright—*Fanning Chair.*



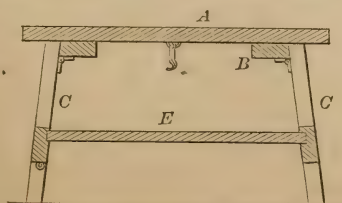
76457—T. P. How—*Copying Press.*



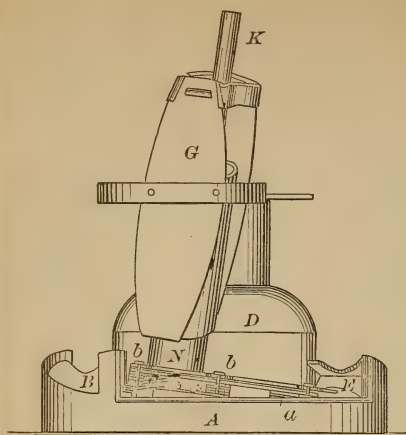
76460—T. S. Hudson—*Die for Forming Letters.*



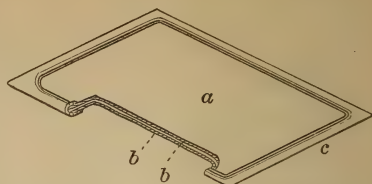
76459—L. D. Hubbard—*Bench or Table.*



76461—S. Hughes—Ore Crusher and Grinder.



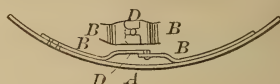
76462—S. W. Huntington—Lamp Shade.



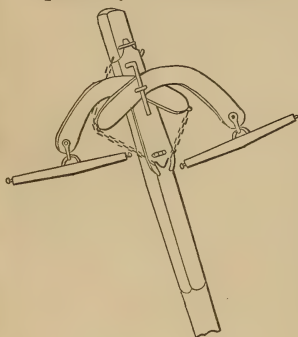
76464—L. H. Johnson—Corn Husker.



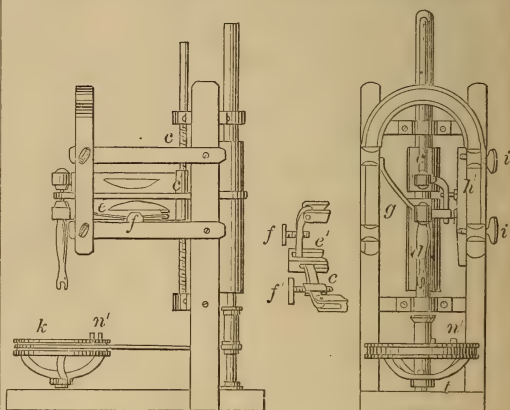
76468—W. J. Ketcham—Necktie Retainer.



76466—R. F. Judson—Draft Equalizer for Doubletrees.



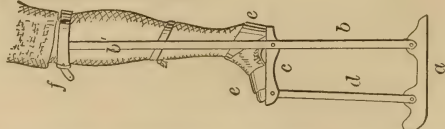
76467—J. T. Kendall—For Boring Wagon Hubs.



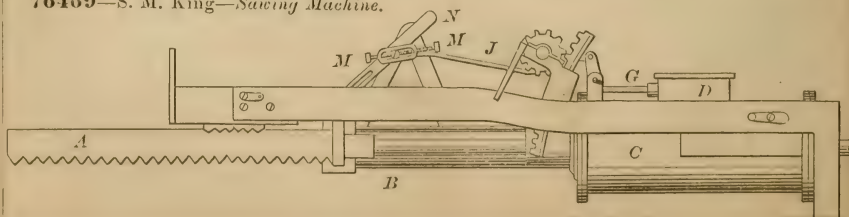
76470—C. M. Kinsel—Bracelet.



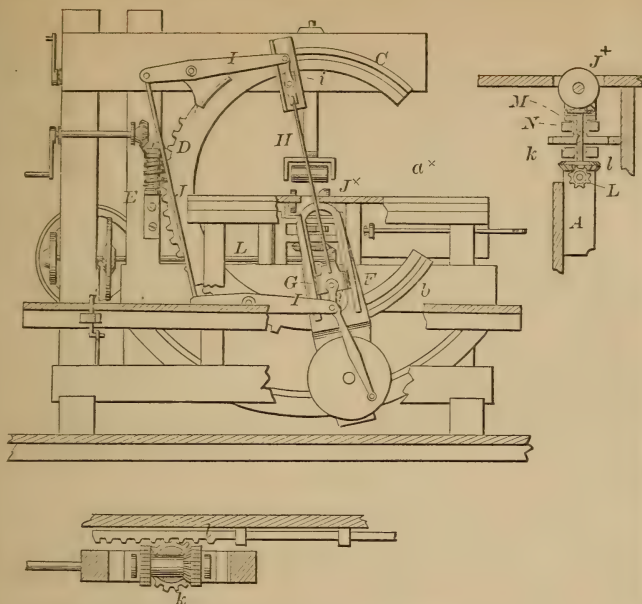
76465—W. Jordan—Stilt Skate.



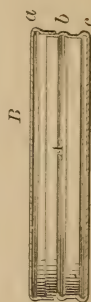
76469—S. M. King—Sawing Machine.



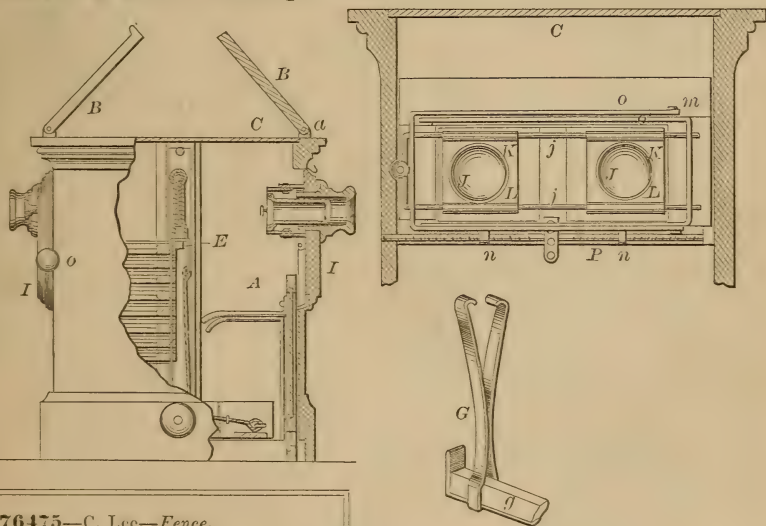
76471—J. L. Knowlton—Saw Mill.



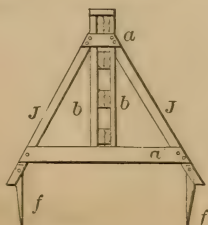
76474—J. D. Lane—Manufacture of Tin Boxes.



76472—W. M. Kohl—Stereoscope.



76475—C. Lee—Fence.

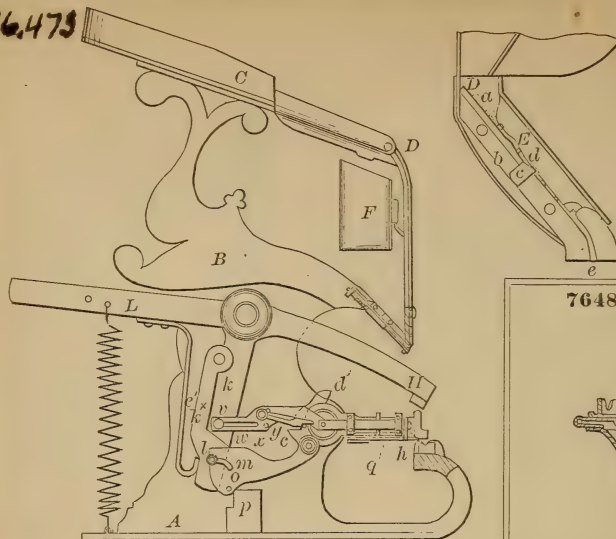


76476—I. Lindsley—Hair Cloth.

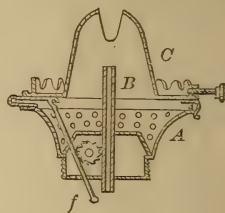


76477—A. Komp—For Attaching Spangles to Hoop Skirts.

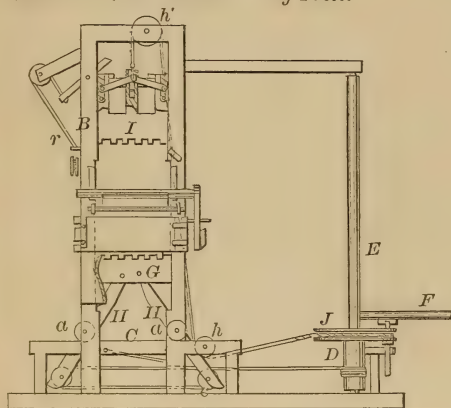
76,473



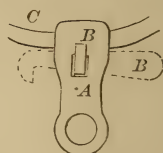
76482—J. J. Marcy—Lamp.



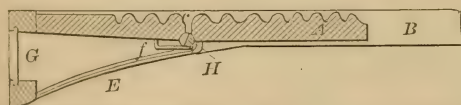
76478—G. W. Lockhart—Hay Press.



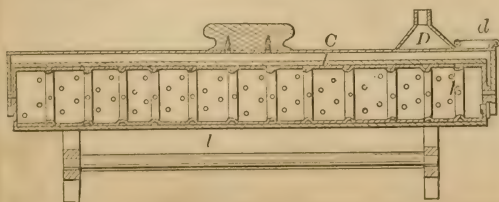
76480—M. Alden—Horse Rake.



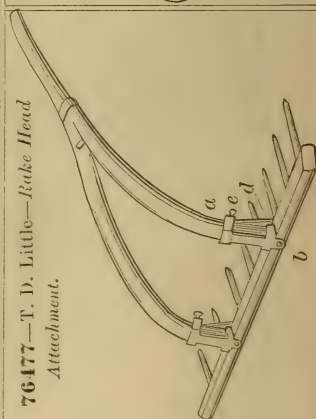
76481—F. E. Maberry—Wash Board.



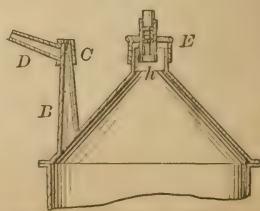
76479—J. A. Lynch—Paper Dampener.



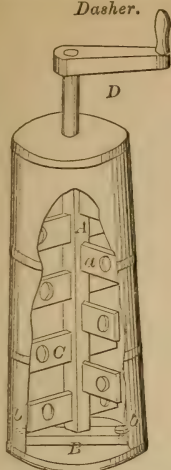
76477—T. D. Little—Rake Head Attachment.



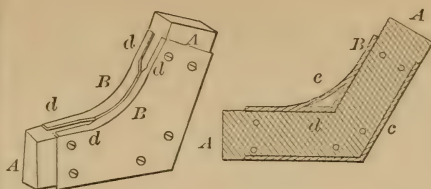
76483—J. J. Marcy—Oil Can.



76484—M. E. J. Marr—*Churn Dasher.*



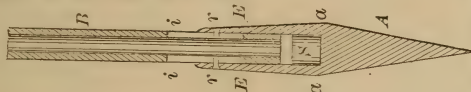
76487—E. G. Matthews—*Dory Boat Knee.*



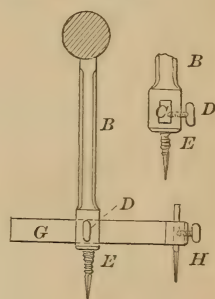
76488—T. B. McCaughan—*Pencil Case.*



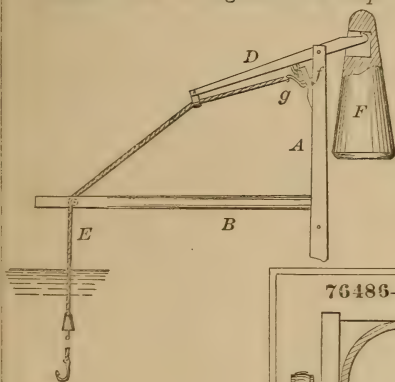
76485—W. Martin—*Well Tube.*



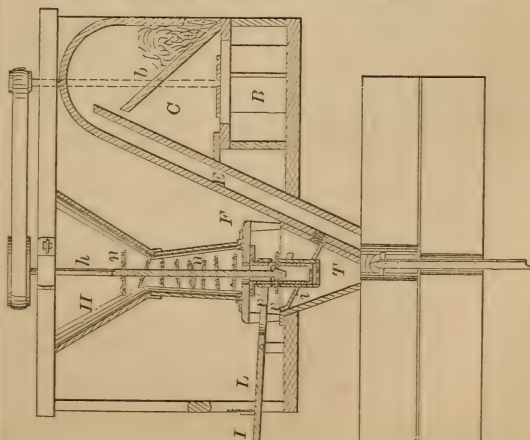
76490—M. T. McCormick—*Can Opening Tool.*



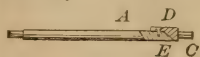
76489—T. B. McCaughan—*Fish Trap.*



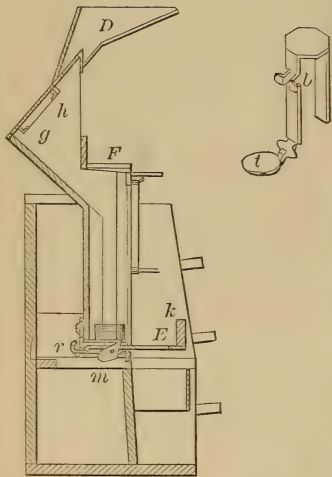
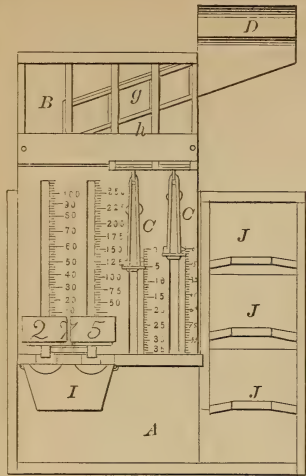
76486—P. H. Massey—*Grain Scouring Apparatus.*



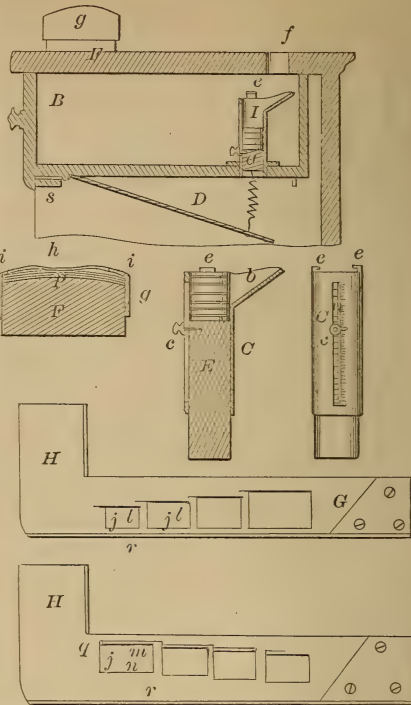
76491—W. McFarland—*Tenon for Blind Slats.*



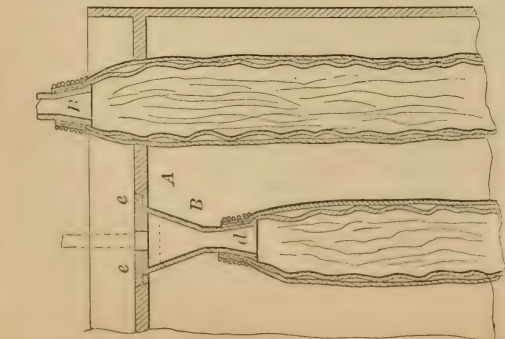
76492—J. W. Meaker—*For Assorting Coin.*



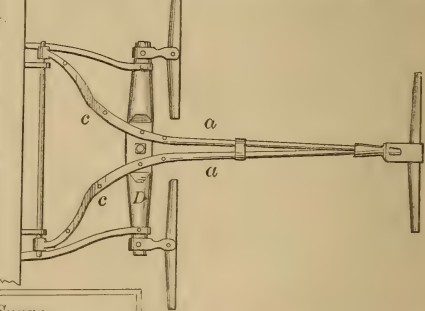
76493—J. W. Meaker—*For Assorting Coin.*



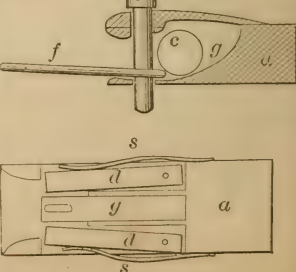
76495—W. H. Merrick—*For Filtering Sugar.*



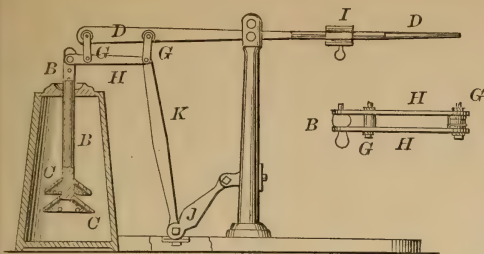
76496—V. N. Mitchell—*Carriage Pole.*



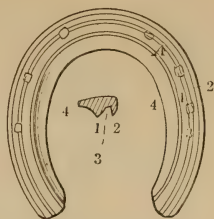
76494—J. W. Melcher—*Car Coupling*



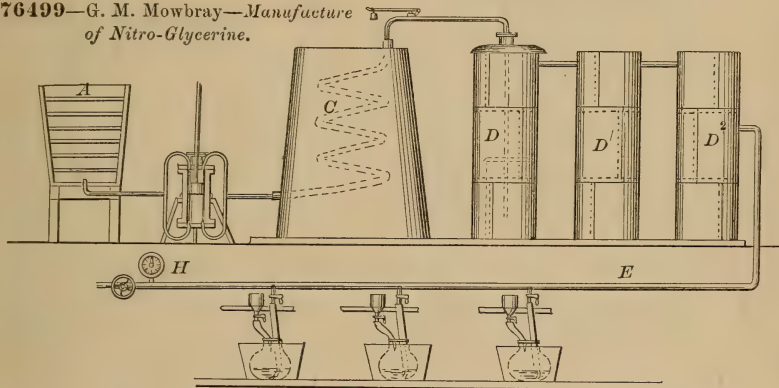
76497—E. J. Moore—Churning Apparatus.



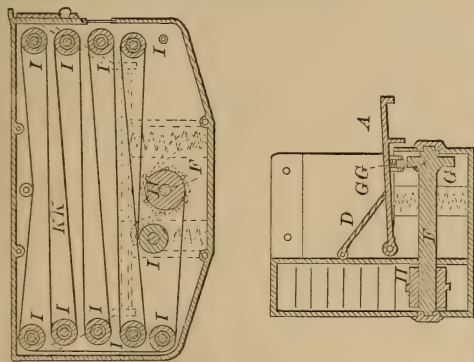
76501—P. Murray—Horse Shoe.



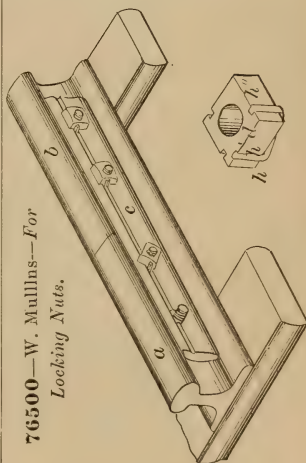
76499—G. M. Mowbray—Manufacture of Nitro-Glycerine.



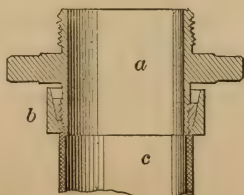
76502—A. F. Nagle—Passenger Register.



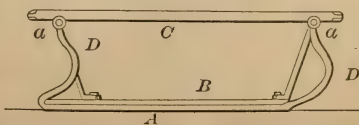
76500—W. Mullins—For Locking Nuts.



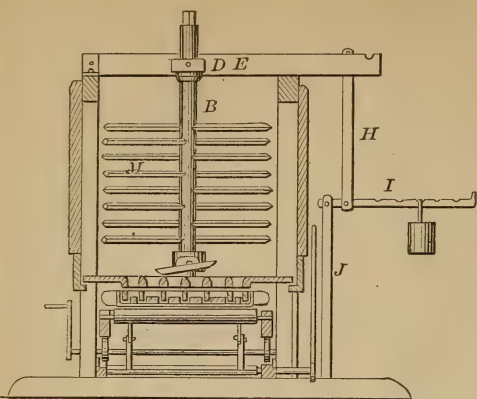
76503—P. H. Niles—Hose Coupling.



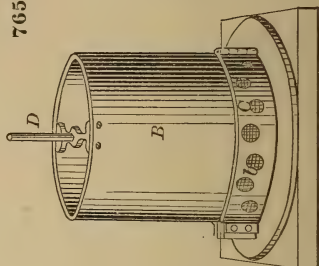
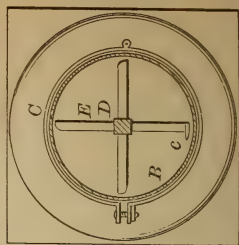
76498—J. C. Moore—Sleigh Runner and Attaching it to Axles.



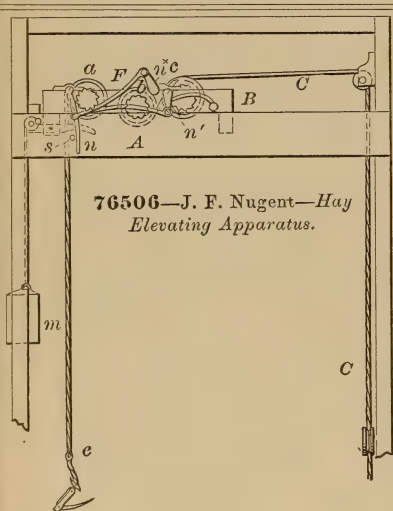
76504—C. Nolan—Brick Machine.



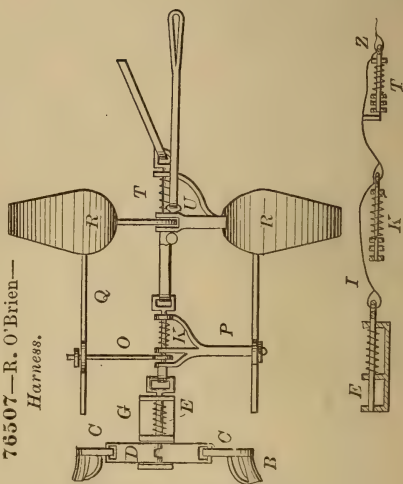
76505—Norton & Hancock—Clay Grinding Mill.



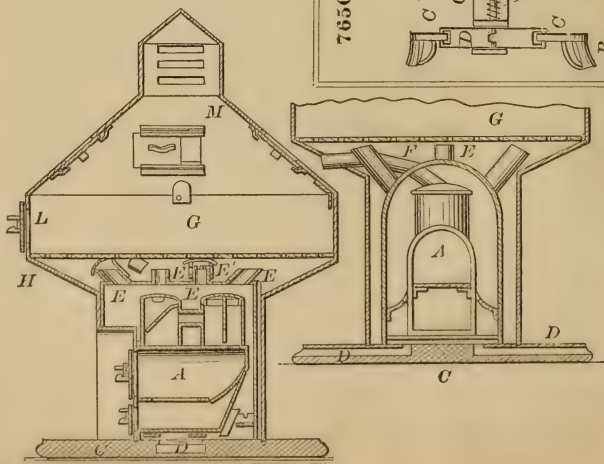
76506—J. F. Nugent—Hay Elevating Apparatus.



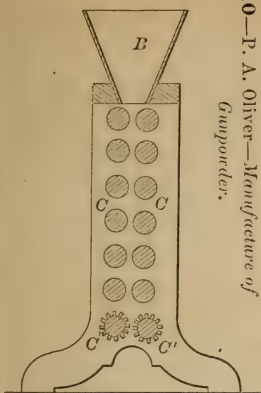
76507—R. O'Brien—Harness.



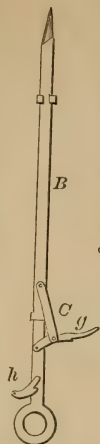
76508—Oefinger & Grupp—Malt Drying Kiln.



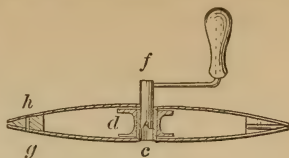
76510—F. A. Oliver—Manufacture of Gunpowder.



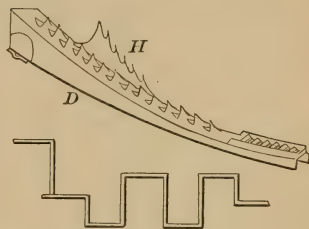
76511—J. O'Rourke—Horse Hay Fork.



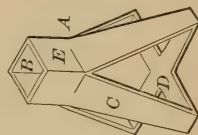
76512—E. N. Parker—Tatting Shuttle.



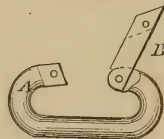
76513—W. Parker—Straw Carrier.



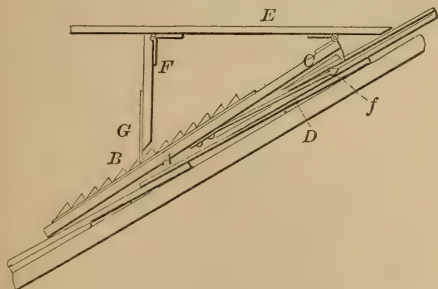
76515—G. R. Patton—Fence Post.



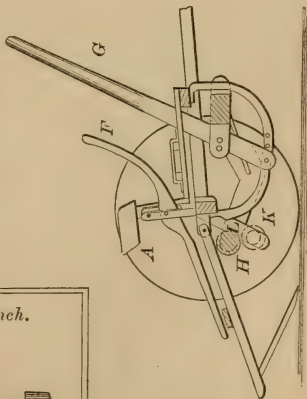
76517—W. N. Pelton—Connecting Link.



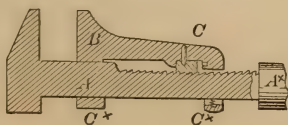
76516—C. M. Pease—Roof Staging.

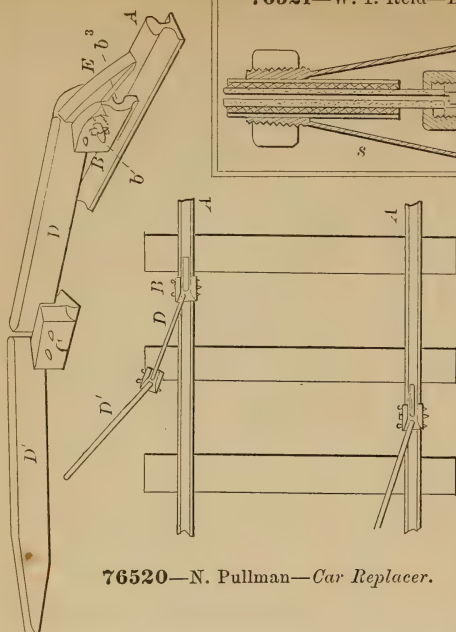
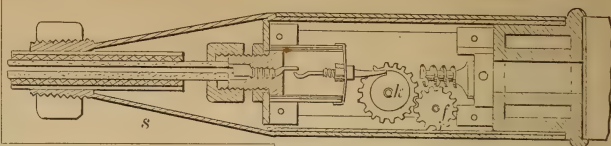
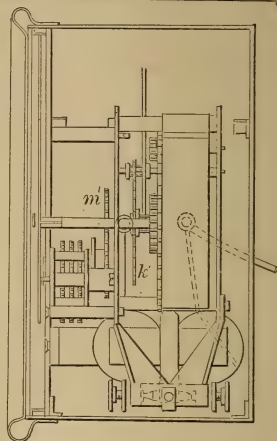
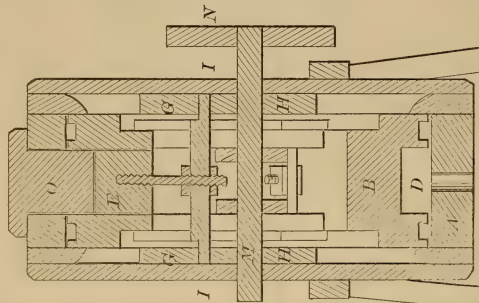
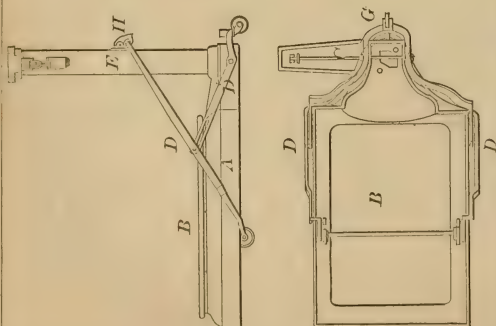
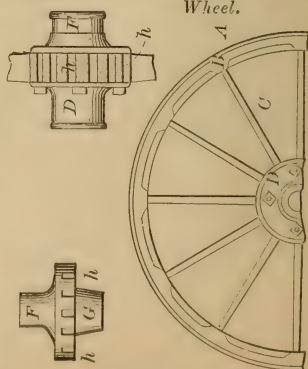


76518—C. B. Perkins—Horse Rake.

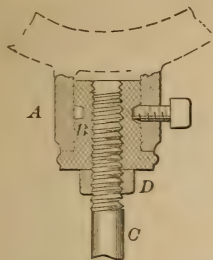


76519—A. S. Petrie—Wrench.

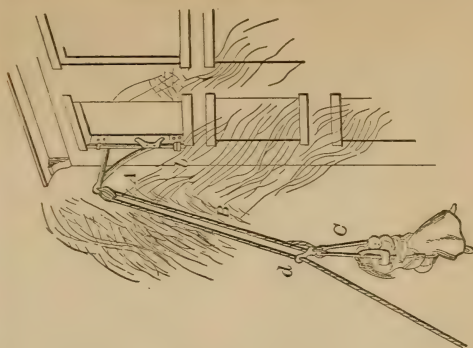


76521—W. I. Reid—*Electro-Magnetic Log.*76520—N. Pullman—*Car Replacer.*76525—M. Rikert—*Rotary Steam Engine.*76522—S. Rex—*Harvester.*76523—W. W. Reynolds—*Platform Scale.*76524—P. Richardson, Jr.—*Wagon Wheel.*

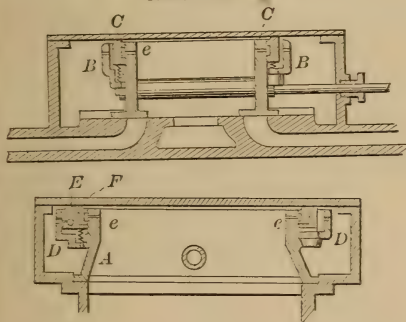
76526—J. Robertson—*Valve Rod Connection.*



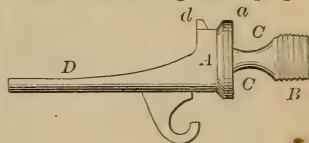
76527—A. Robinson—*Fire Escape.*



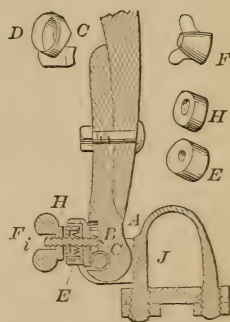
76528—W. B. Robinson—*Balanced Slide Valve.*



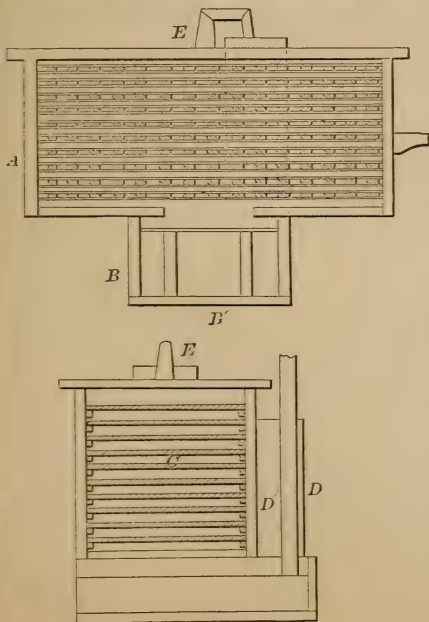
76530—E. B. Sargent—*Sap Spout.*



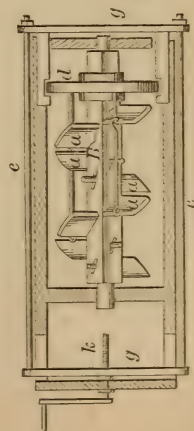
76531—A. Searls—*Shaft Coupling.*



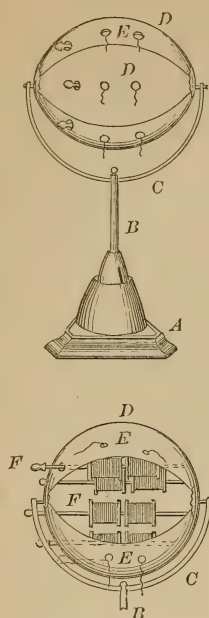
76532—M. A. Shepard—*Fruit Dryer.*



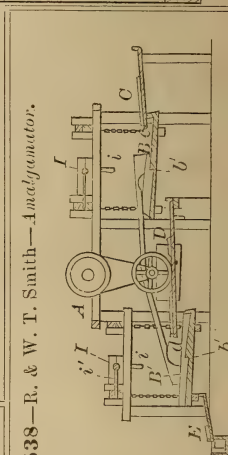
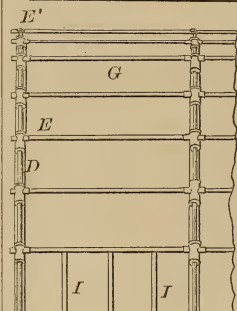
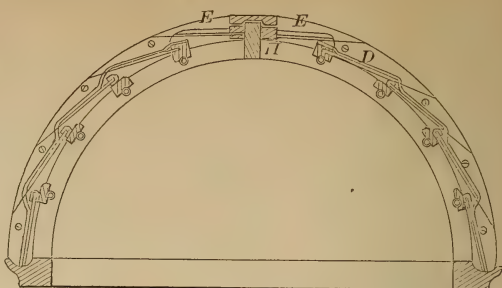
76529—J. M. Rush—*Grain Conveyor.*



76533—J. H. Simmons—
Spool Stand.

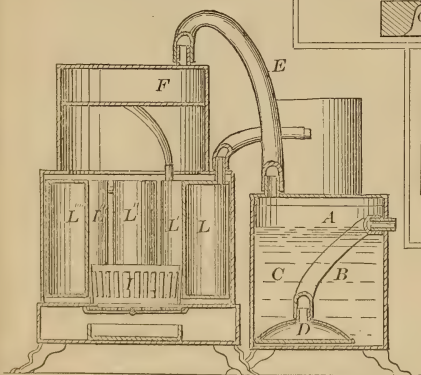


76534—Simpson & Howitt—*Steam Heater.*



76538—R. & W. T. Smith—*Analysometer.*

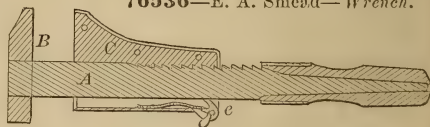
76535—W. M. Sloan—
For Generating Gas.



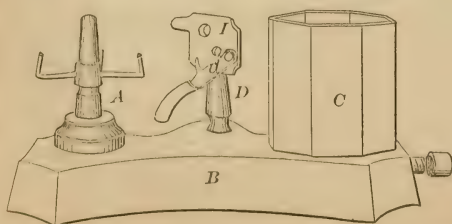
76540—W. Smith—*Brick,
for Building.*



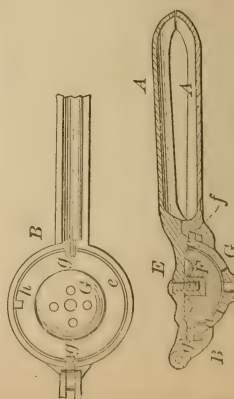
76536—E. A. Smead—*Wrench.*



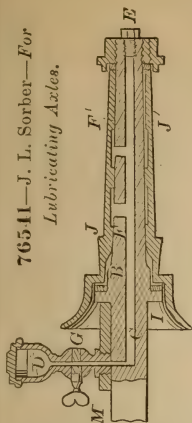
76537—C. F. Smith—*For Cutting Cigars &c.*



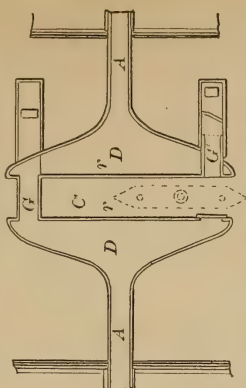
76539—T. C. Smith—*Lemon Squeezer.*



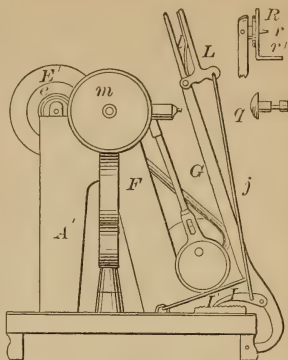
76541—J. L. Sorber—For
Lubricating Axles.



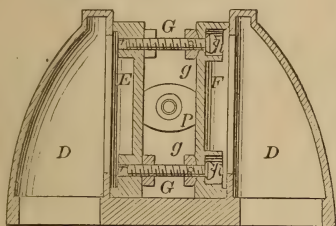
76542—T. S. Speakman—Draw Bridge.



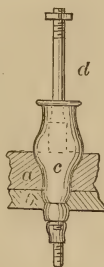
76543—V. K. Spear—For
Polishing Boot and Shoe Heels.



76545—Stocking & Shaffer—Steam
Engine Slide Valve.



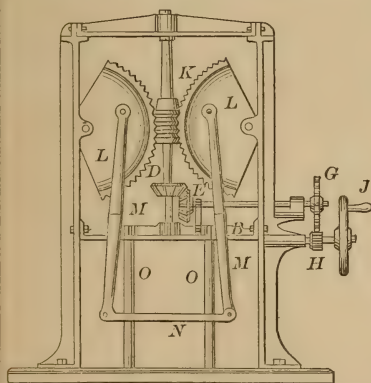
76546—J. Strawn—
Carriage Bolt.



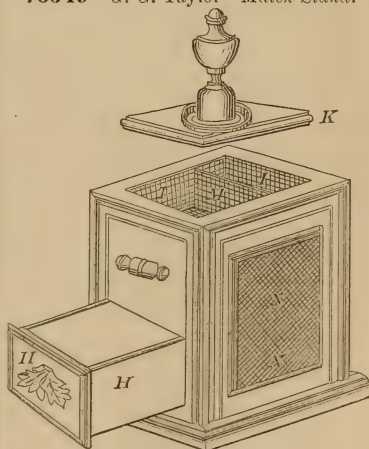
76547—A. L. Taylor—Clothes Pin.



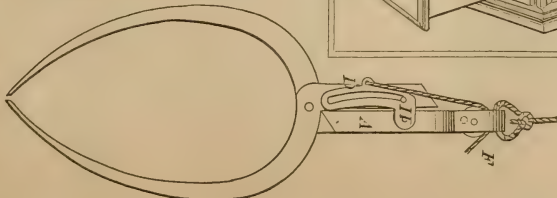
76548—E. Taylor—Baling Press.

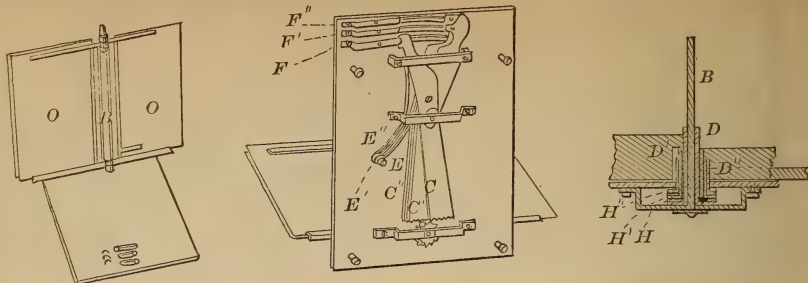
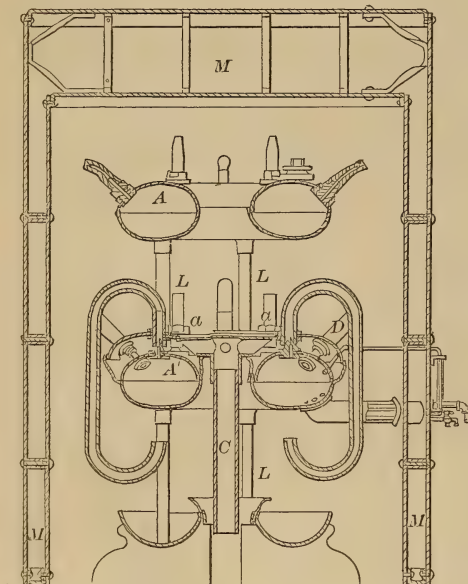
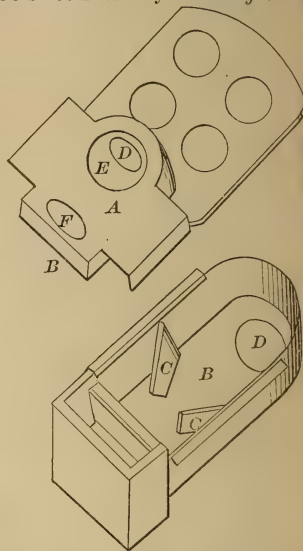
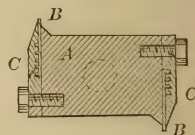
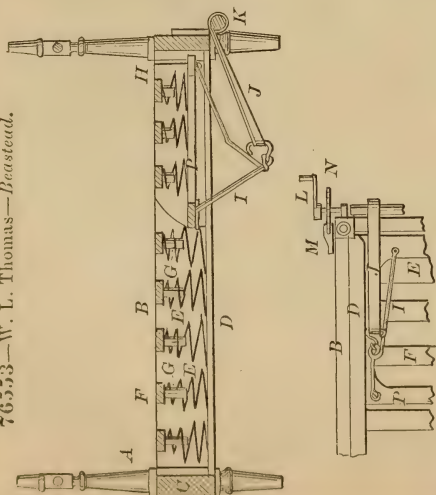
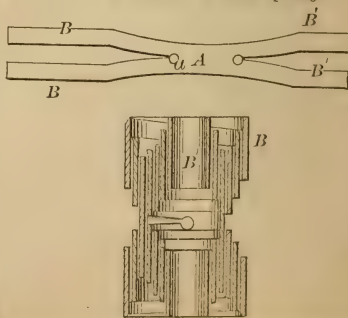


76549—G. G. Taylor—Match Stand.

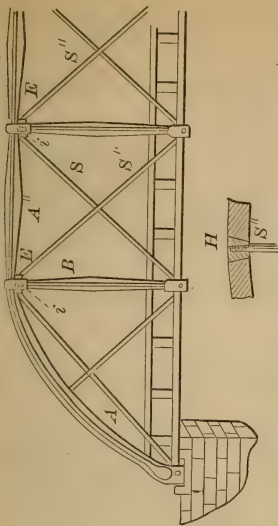


76550—T. H. Tears—Horse Hay Fork.

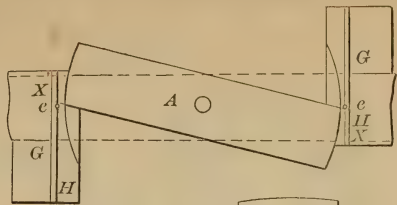


76551—G. Tefft—*Music Rack.*76552—F. W. Thayer—*Hydro-Carbon Burner.*76554—J. Thorniley—*Cooking Stove.*76556—T. Tostevin—*Cutter Head for Planing Machines.*76553—W. L. Thomas—*Beastead.*76557—J. Trent—*Volute Spring.*

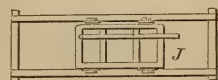
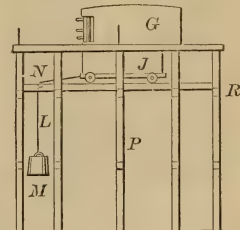
76558—L. E. Truesdell—Bridge.



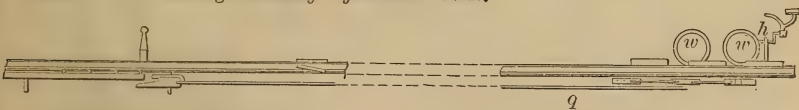
76560—J. B. Valliquette—Bridge.



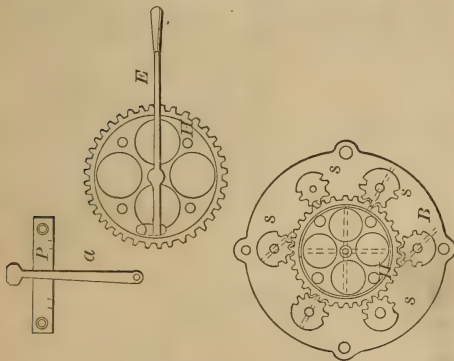
76562—S. Vanstone—Chain Link.



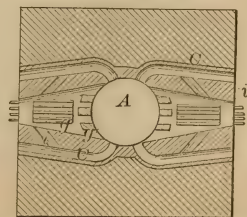
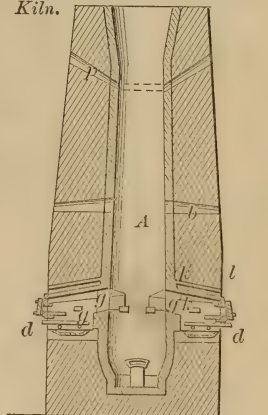
76559—A. C. Twining—Railway Signal and Alarm.



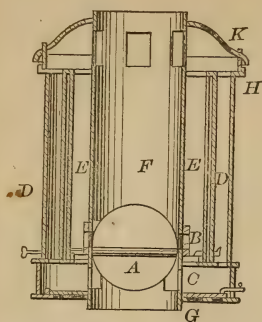
76561—J. H. Van Nortwick—Wind Mill.



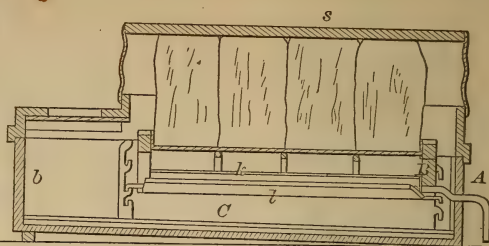
76563—M. Verhoeven—Lime Kiln.



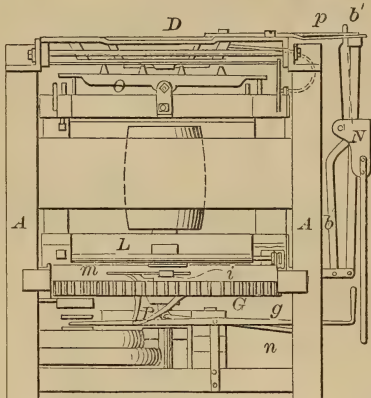
76564—J. Voegtle—Stove Drum.



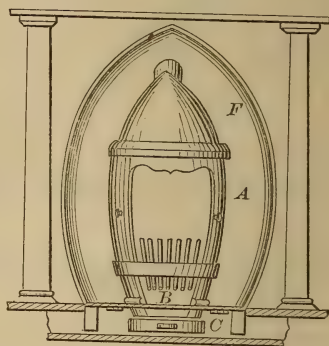
76568—J. S. Waterman—Corpse Preserving Case.



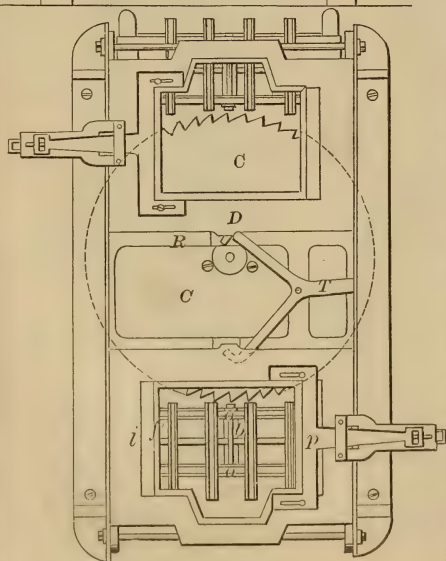
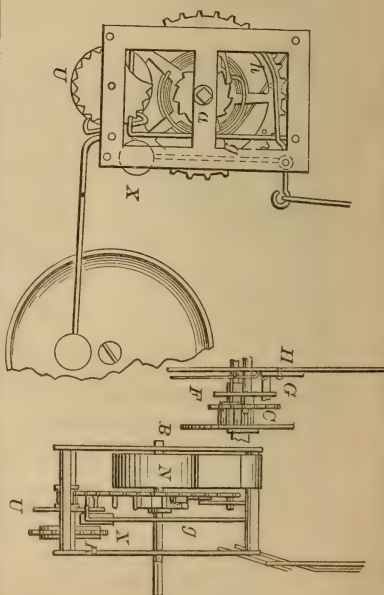
76566—W. H. Walker—Shingle Machine.



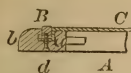
76565—F. Walker—Coal Stove.



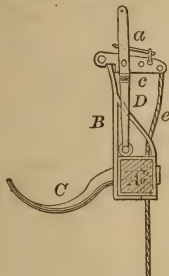
76567—C. H. Warner—Clock Alarm.



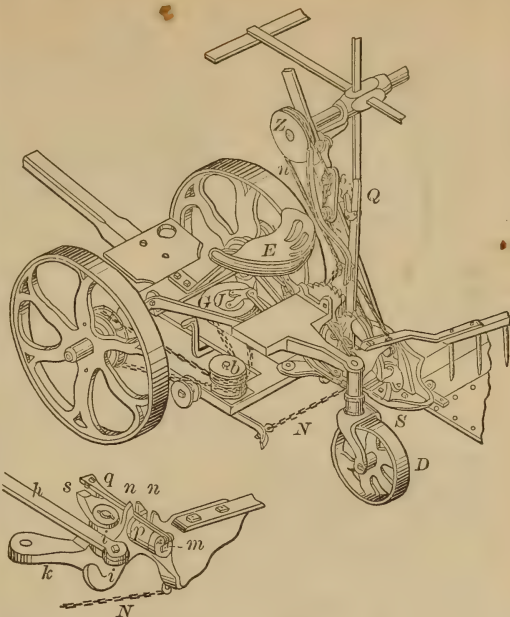
76569—G. A. Watkins—*Chair Seat.*



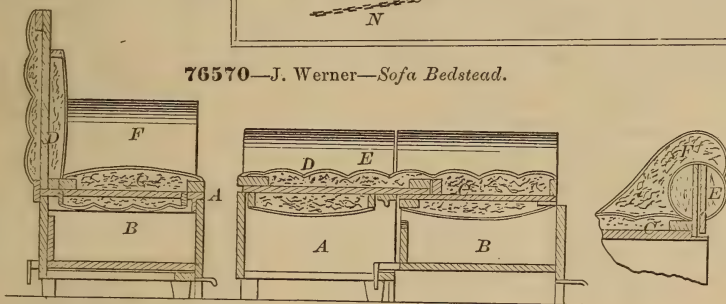
76573—J. H. Wilder—*Horse Hay Fork.*



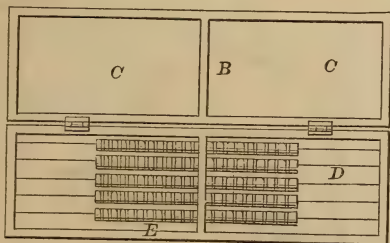
76571—C. Wheeler Jr.—*Harvester.*



76570—J. Werner—*Sofa Bedstead.*



76572—D. Wight—*Top Game Board.*



76574—S. H. Wood—*Die for Pliers.*

Fig. 5

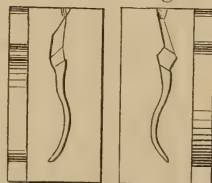
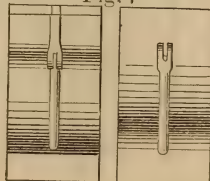
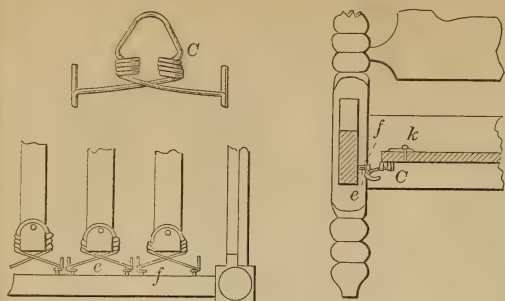
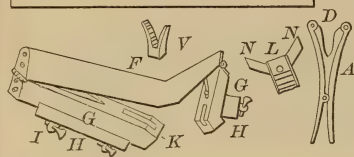
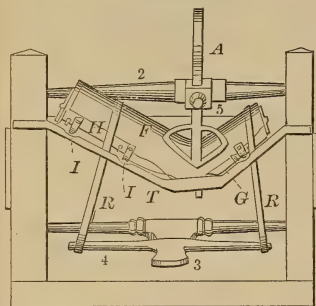
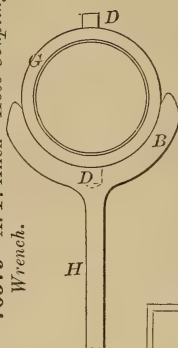
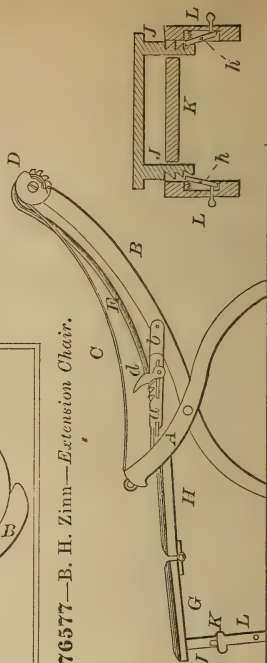
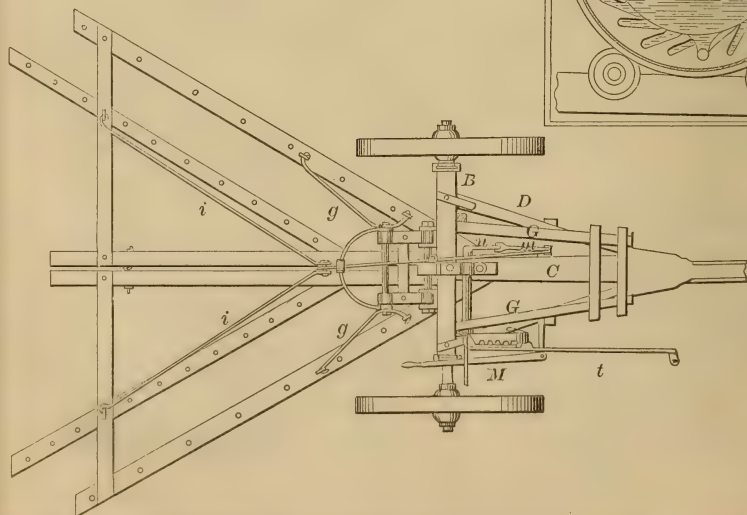
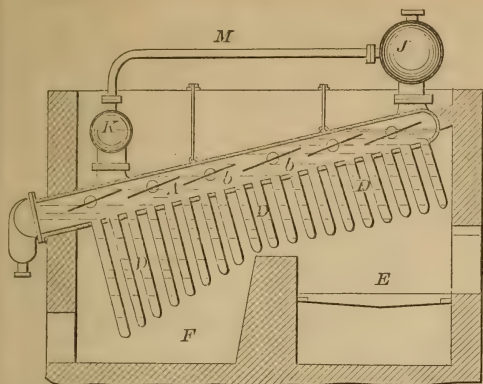


Fig. 7

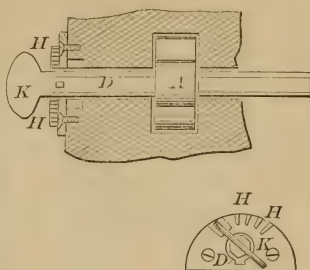


76575—A. W. Wright—*Spring Bed Bottom.*76576—R. A. York—*Crimping Machine.*76579—A. F. Allen—*Hose Coupling Wrench.*76577—B. H. Zinn—*Extension Chair.*76581—J. F. Allen—*Decarbonizing Iron.*76578—S. Conrad—*Cultivator and Harrow.*

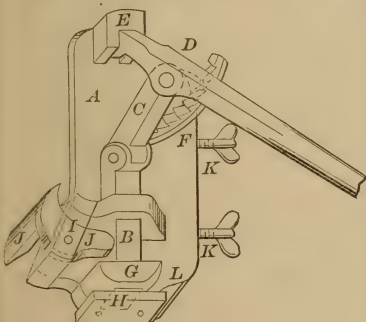
76580—J. F. Allen—*Steam Generator.*



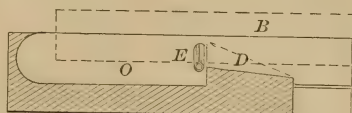
76582—F. Ball—*Window Sash Sash Stop.*



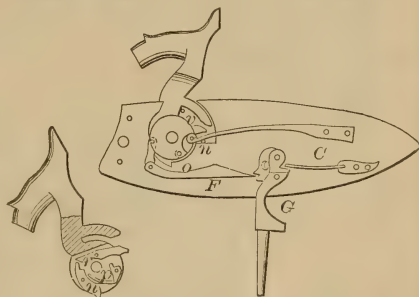
76583—G. E. Banner—*Floor Clamp.*



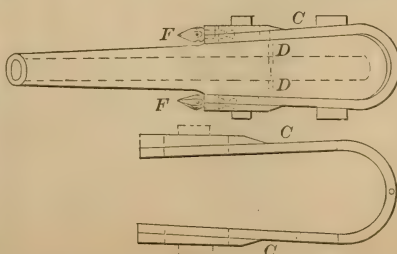
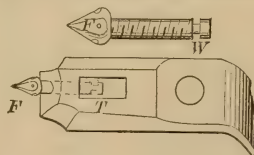
76585—S. P. Bartloy—*Steam Boiler Furnace.*



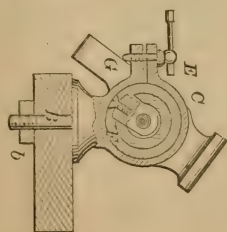
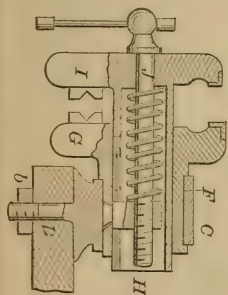
76587—Belden & Crabtree—*Gun Lock.*



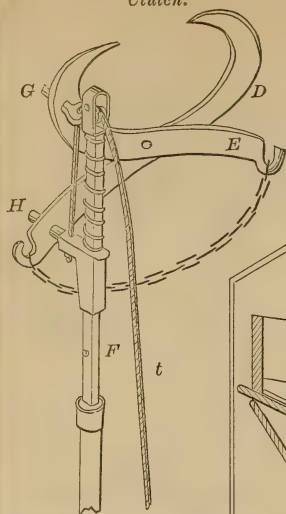
76586—P. R. Beaupre—*Ordnance.*



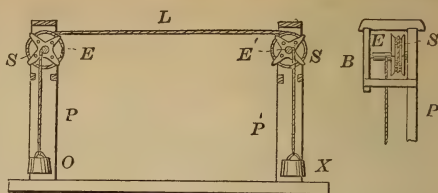
76584—C. Barnes—*Vise.*



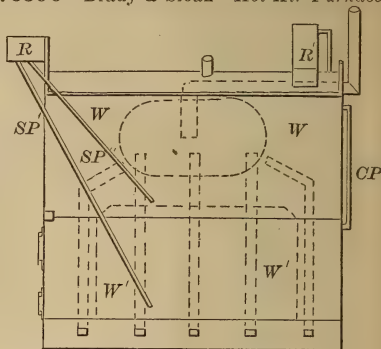
76588—C. C. Blodgett—Elevating Clutch.



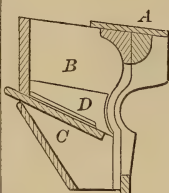
76589—H. S. Boynton—Adjustable Clothes Dryer.



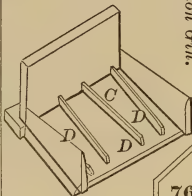
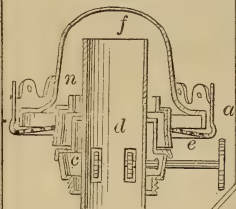
76590—Brady & Sloan—Hot Air Furnace.



76594—R. M. Brooks—Cotton Gin.



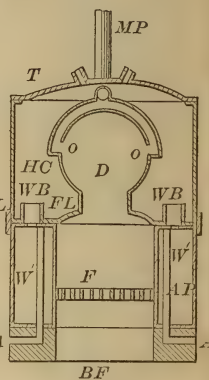
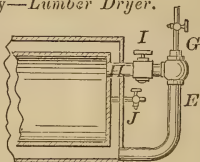
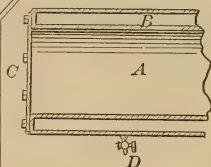
76592—J. W. Brimblecorn—Lamp Burner.



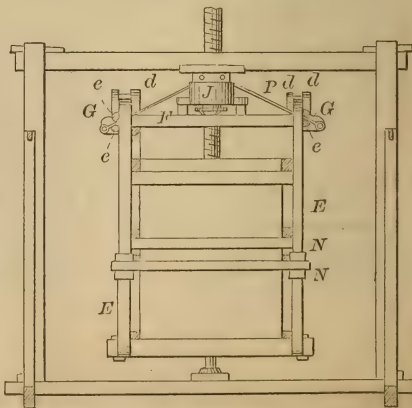
76599—H. L. Butts—File.



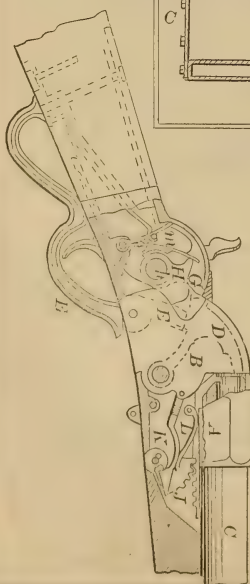
76591—J. Brakeley—Lumber Dryer.



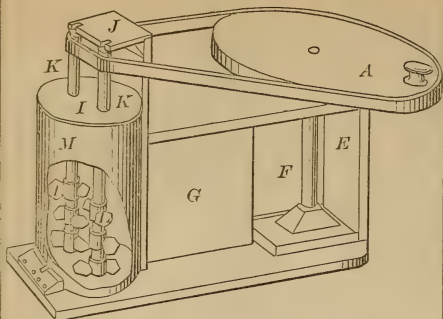
76593—R. M. Brooks—Cotton Press.



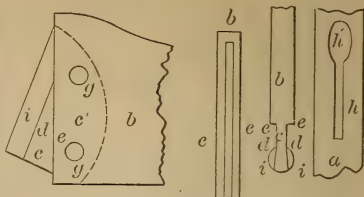
76595—J. Broughton—Fire Arm.



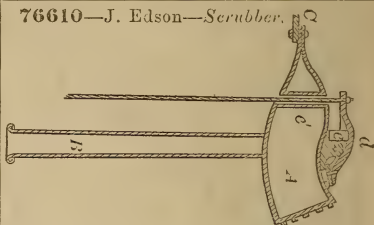
76606—A. J. Conner—Churn.



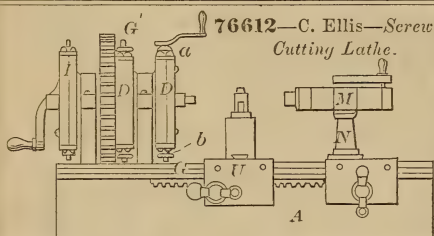
76611—W. H. Elliot—Mortise and Tenon for Bedsteads



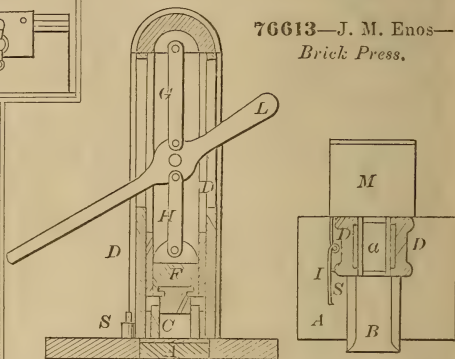
76610—J. Edson—Scrubber.



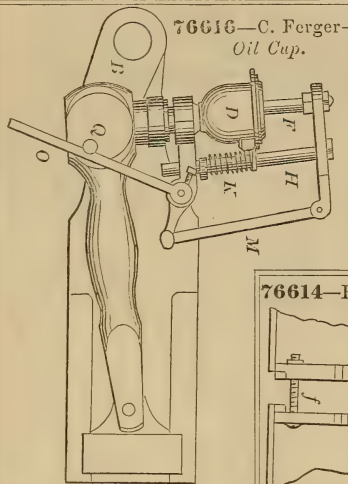
76612—C. Ellis—Screw Cutting Lathe.



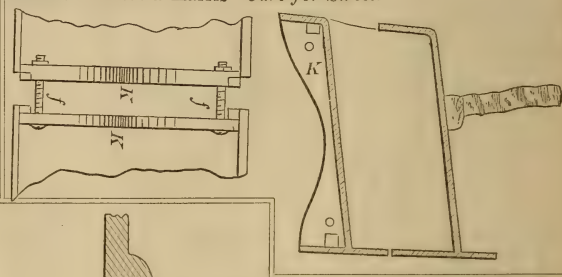
76613—J. M. Enos—Brick Press.



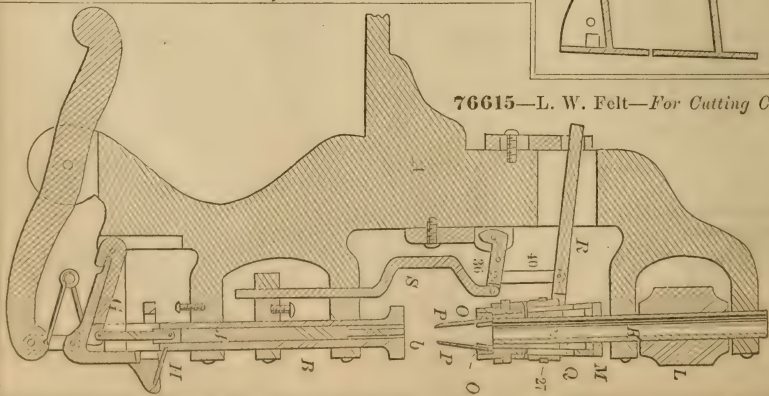
76616—C. Ferger—Oil Cup.



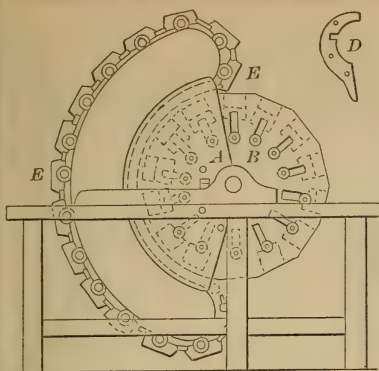
76614—Faurot & Harris—Curb for Street.



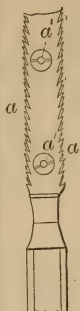
76615—L. W. Felt—For Cutting Corks.



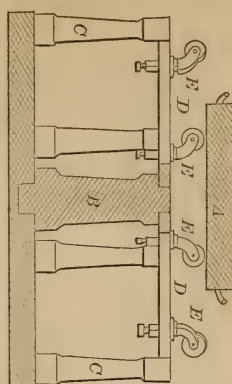
76617—G. B. Fisher—Brick Machine.



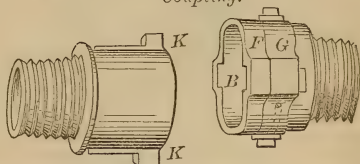
76618—L. Fisher—Rasp.



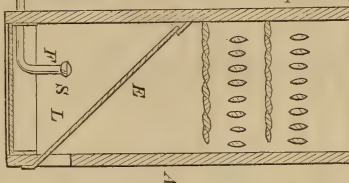
76619—E. Fitzhenry—For Dressing and Scouring Leather.



76622—R. J. Gaines—Hose Coupling.



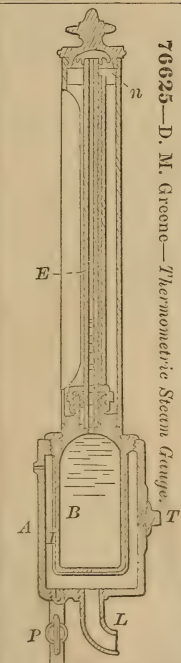
76624—J. Geemen—For Sprouting Malt



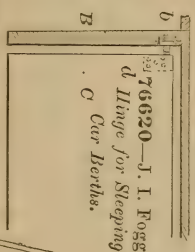
76621—N. Foster—Guano Distributor.



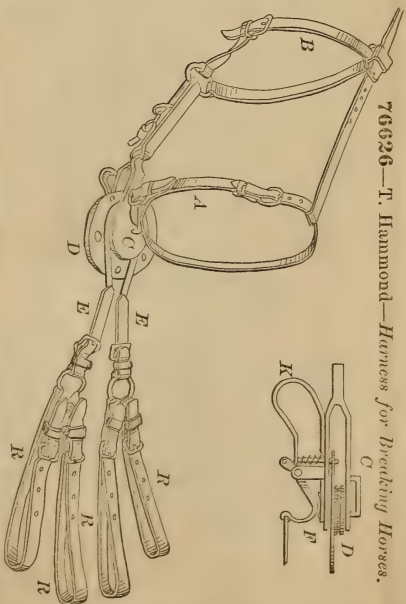
76625—D. M. Greene—Thermometric Steam Gauge.



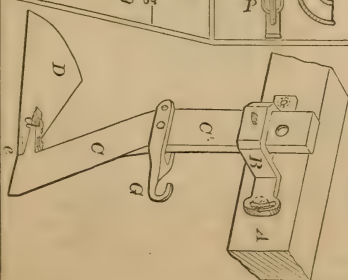
76620—J. L. Fogg—d Hinge for Sleeping Car Berths.

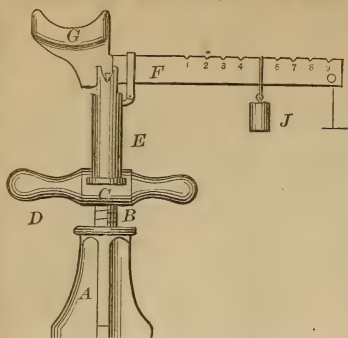
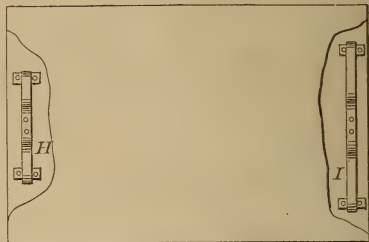
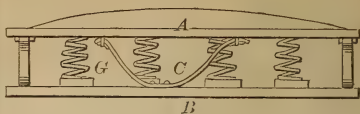
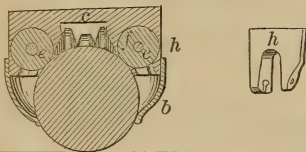
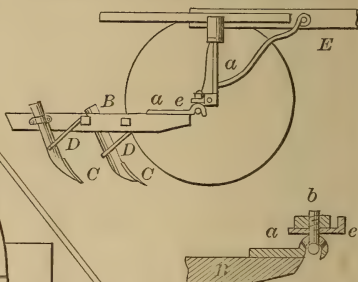
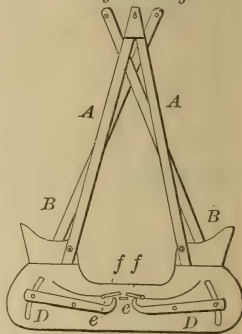
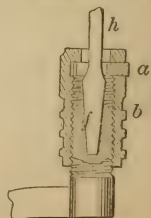
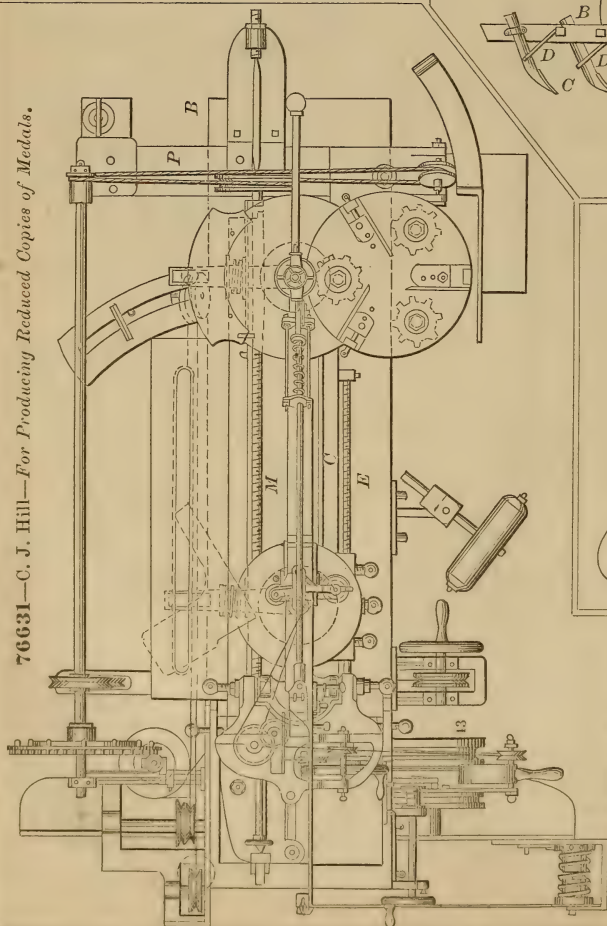


76626—T. Hammond—Harness for Breeding Horses.

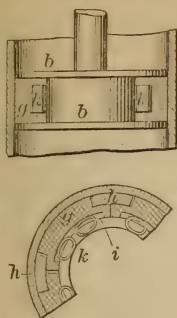


76627—C. R. Hartman—Nelson's Pile.

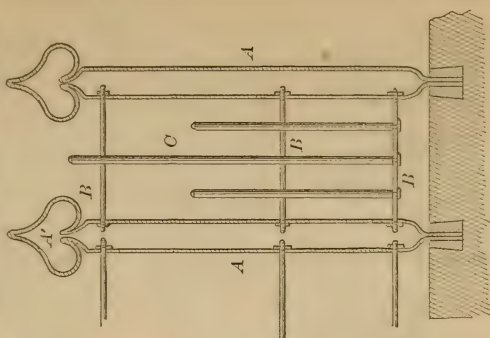


76628—H. M. Hervey—*Jack Scale.*76633—B. Hitchcock—*Bed Bottom.*76630—Hickok & Clement—*Ball Caster.*76634—L. W. Holland—*Cultivator.*76629—W. Hewett—*Swing Carriage.*76632—S. B. Hill—*Bit Brace.*76631—C. J. Hill—*For Producing Reduced Copies of Medals.*

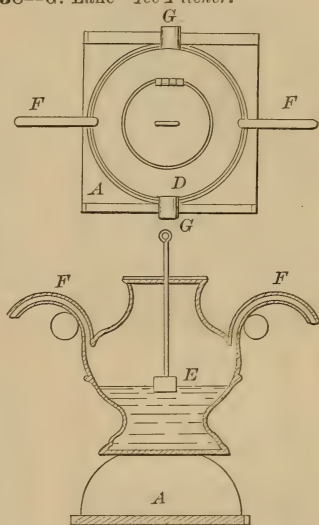
76635—H. S. Hopkins—*Pump Piston.*



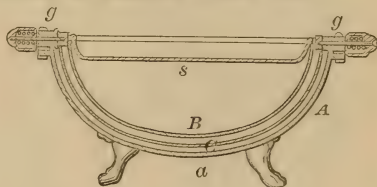
76637—M. Krumm—*Fence Post.*



76638—G. Lane—*Ice Pitcher.*



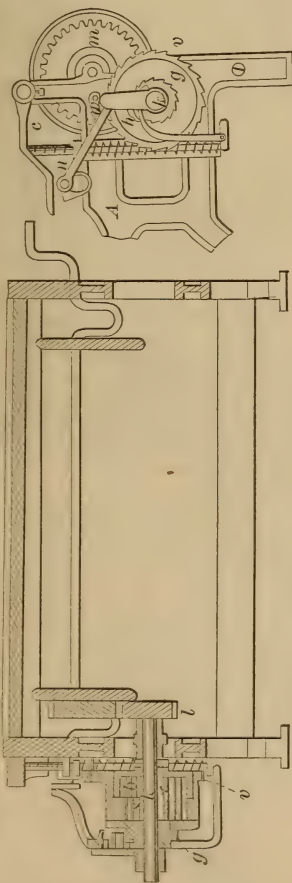
76639—N. Lawrence—*Butter Dish.*



76640—A. H. Lewis—*For Fettering Horses.*



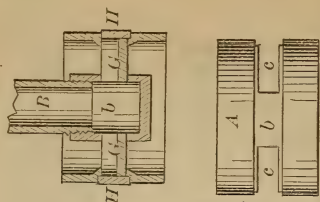
76636—D. Hussey—*Let-off Mechanism for Looms.*



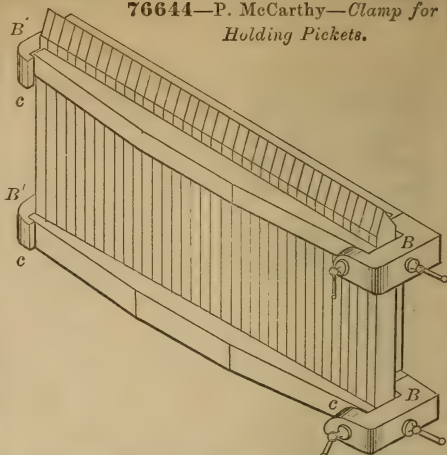
76642—P. Lull—*For Removing Hides from Animals.*



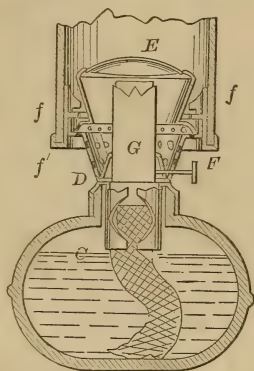
76643—S. G. Mason—*Pump Piston.*



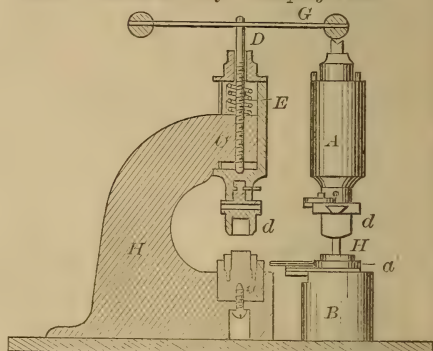
76644—P. McCarthy—*Clamp for Holding Pickets.*



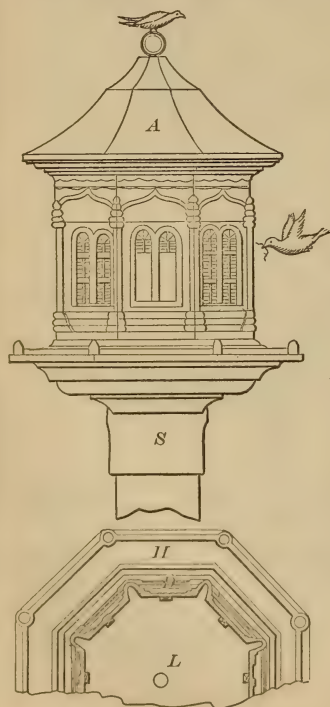
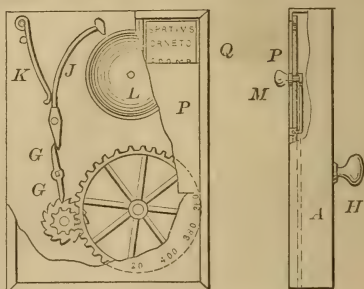
76645—W. C. McGill—*Lamp Burner.*



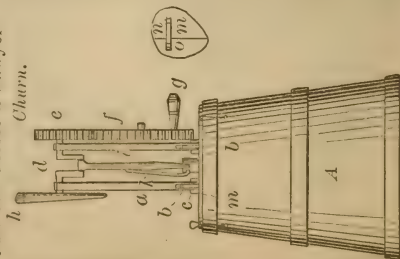
76647—Mead & Addy—*Stamping Press.*



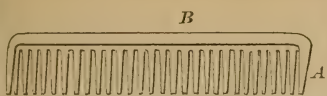
76648—H. Miller—*Bird House*.

76646—W. C. McGill—*Conductors' Register.*

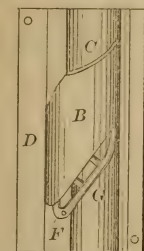
76649—Morse & Sawyer—
h *Charn.*



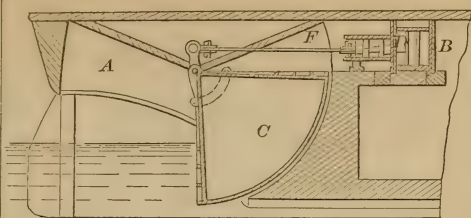
76650—J. P. Noyes—Toilet Comb.



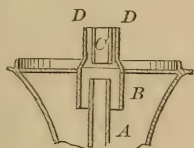
76652—J. Oliver—
Plow Mould Board.



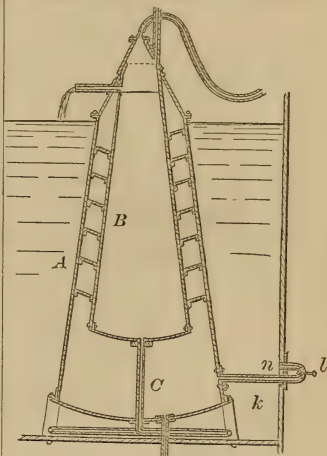
76651—C. M. O'Hara—Propeller.



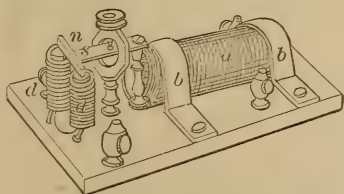
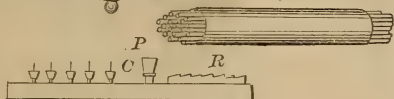
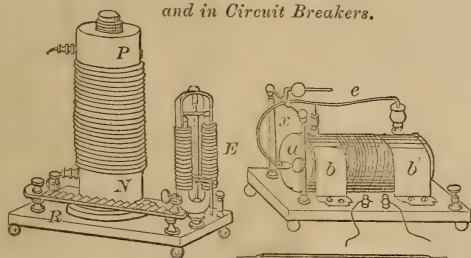
76653—G. K. Osborn—
Lamp Burner.



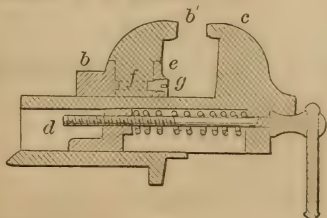
76655—W. Phelan—Condenser.



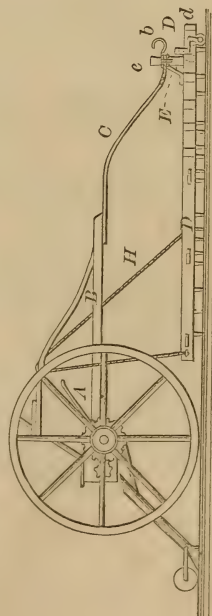
76654—C. G. Page—Induction Coil Apparatus
and in Circuit Breakers.

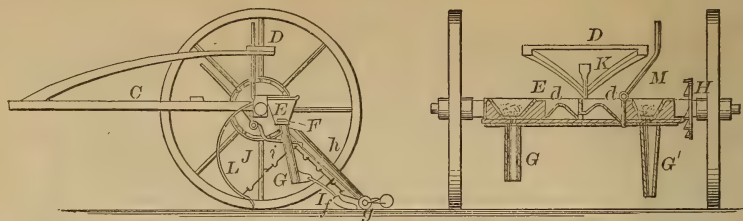
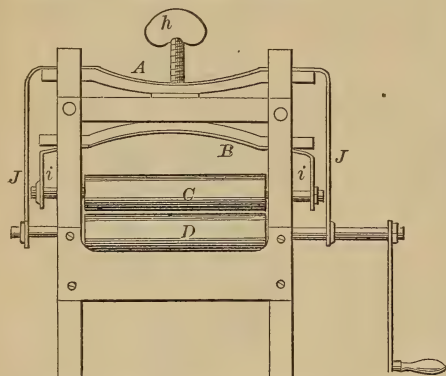
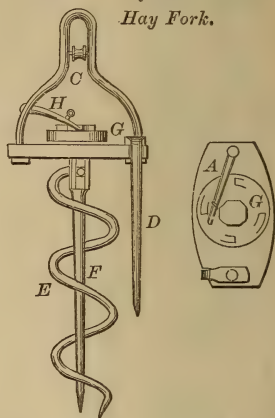
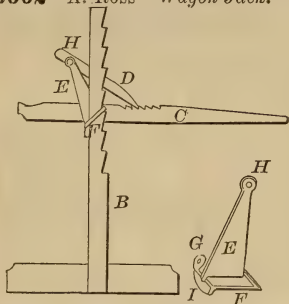
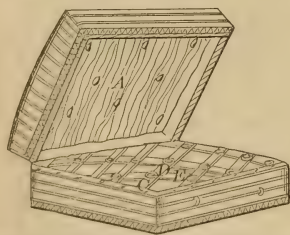
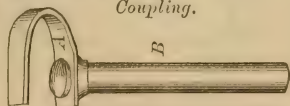
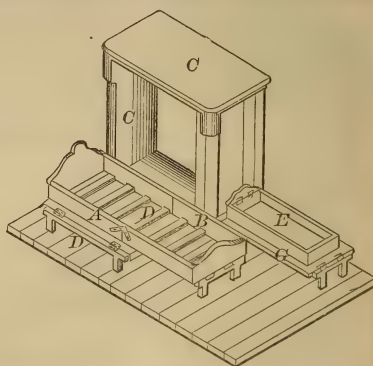
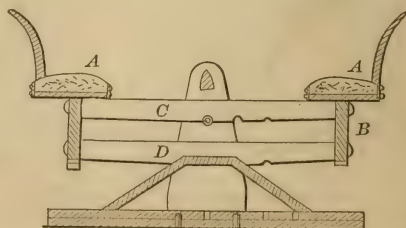


76656—B. L. Randall—Vise.

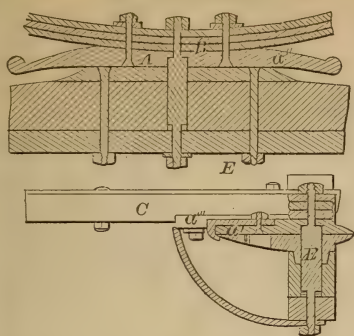


76657—B. Randall—Sulky Harrow.

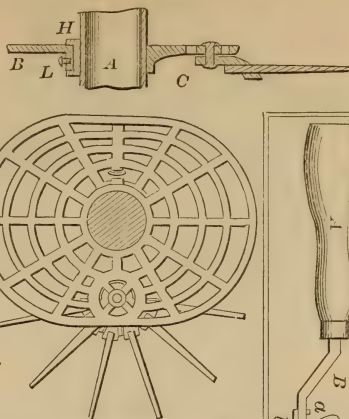


76658—B. Randall—*Corn Planter.*76659—B. Reed—*Clothes Wringer.*76661—A. Reynolds—*Horse Hay Fork.*76662—A. Ross—*Wagon Jack.*76663—J. W. H. Scott—*Mattress.*76666—Smith & Judson—*Thill Coupling.*76664—Shackford & Arnaud—*Bureau Bedstead.*76665—A. F. Sherman—*See-Saw.*

76667—S. B. Smith—*Fifth Wheel Bearing.*



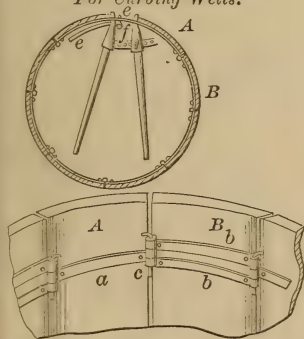
76668—Stiles & Jackman—*Stove Pipe Shelf.*



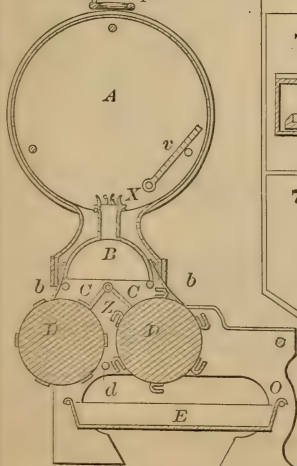
76670—C. C. Stremme—*Bung.*



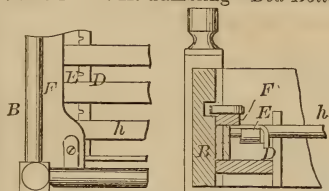
76672—J. A. Sutherland—*For Curbing Wells.*



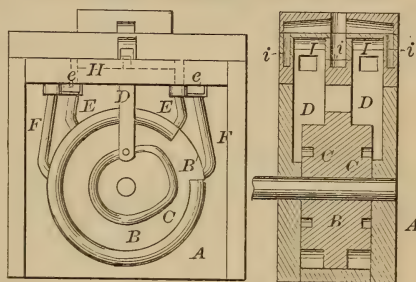
76673—G. J. Swingle—*Fly Trap.*



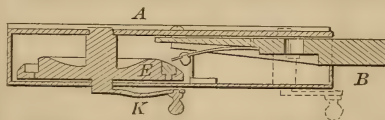
76674—W. H. Tambling—*Bed Bottom.*



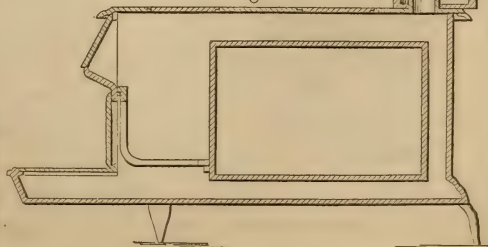
76676—Van Vorhis & Workman—*Rotary Engine.*



76671—C. Sulzman—*Door Bolt and Lock.*



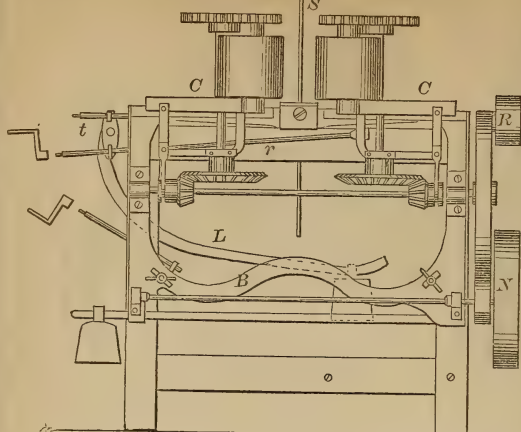
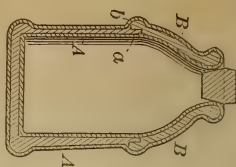
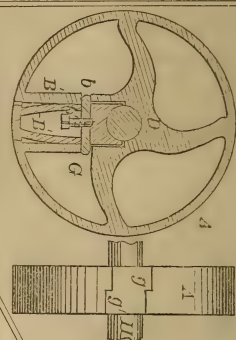
76675—G. Tennie—*Hot Water Tank for Stoves.*



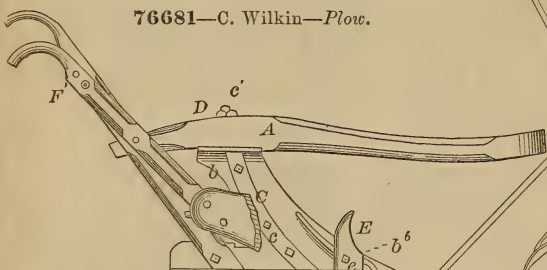
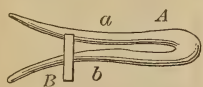
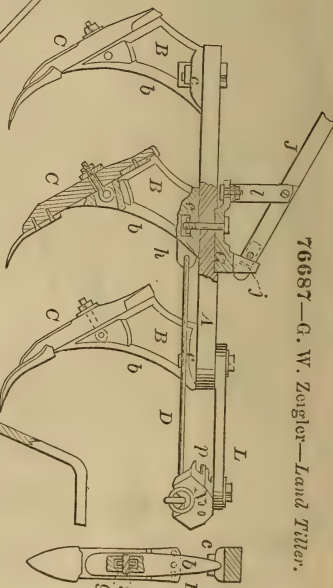
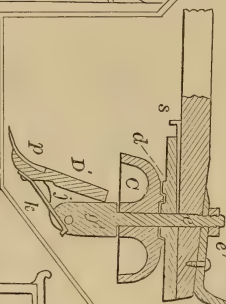
76669—N. F. Stone—*Can Opener.*



76677—L. B. Walker—Saw Mill.

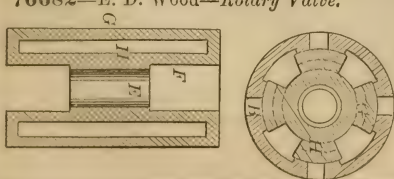
76678—
D. P. Webster—
Acid Bottle.76680—S. Wheeler—Pulley
and Gearing.

76681—C. Wilkin—Plow.

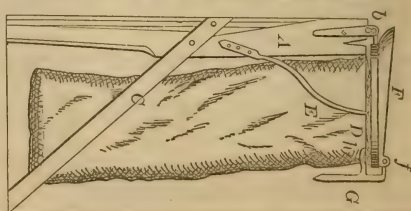
76683—G. W. Wood—
Hair Crimper.76684—D. B. Woodworth—
Tea and Coffee Pot.

76687—G. W. Ziegler—Land Tiller.

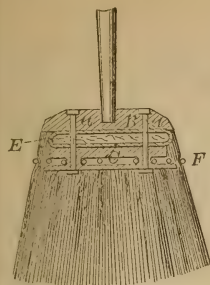
76682—E. D. Wood—Rotary Valve.



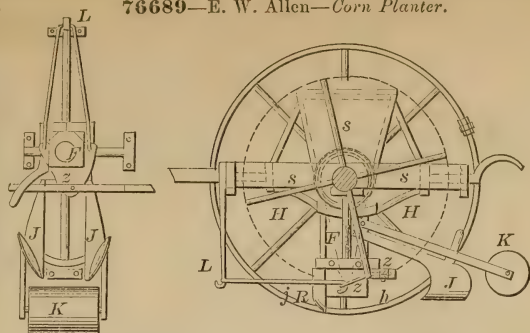
76686—J. & T. R. Yaggy—Bag Holder.



76688—A. Alden—
Broom Head.



76689—E. W. Allen—Corn Planter.



76690—J. G. Allen—Spirit Meter.

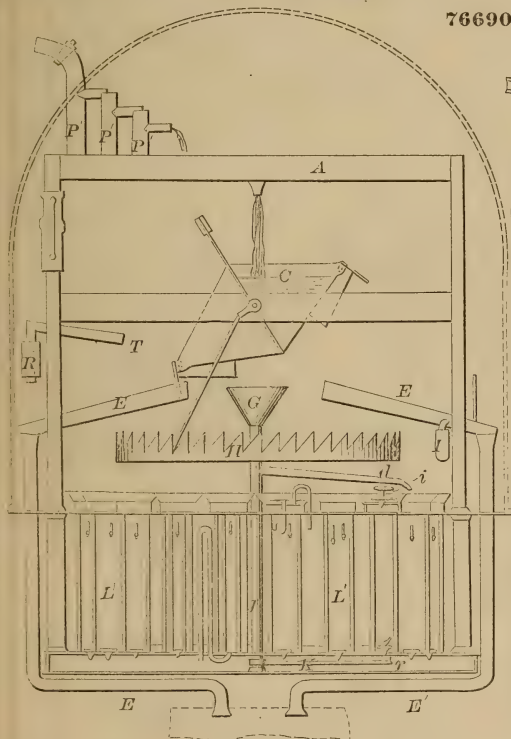
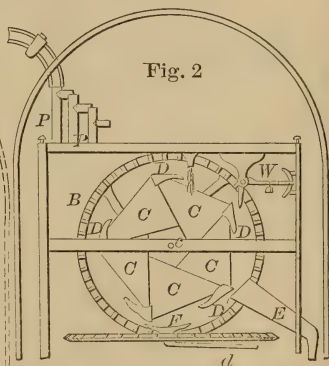
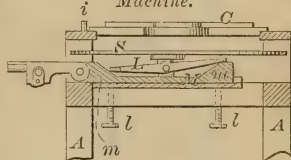


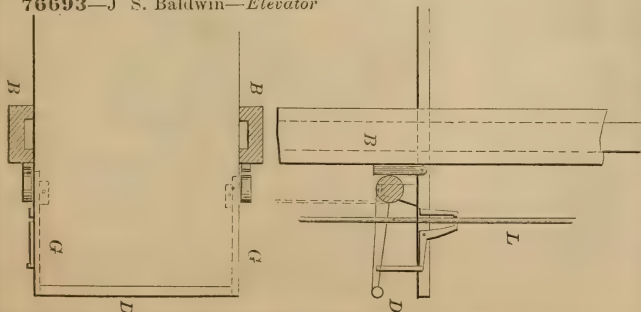
Fig. 2



76691—J. E. Austin—Shingle
Machine.



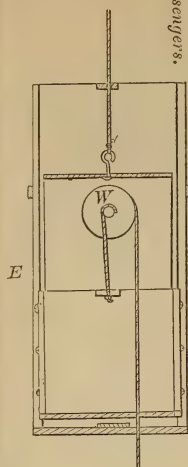
76693—J. S. Baldwin—Elevator



76692—J. S. Baldwin—Elevator.



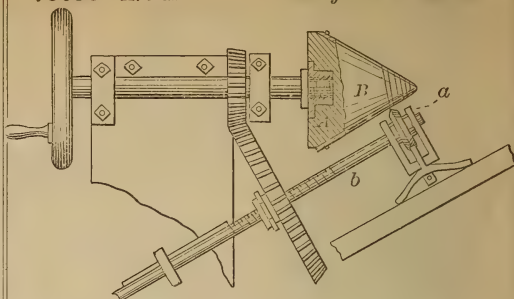
76694—J. S. Baldwin—Elevator for Transporting Passengers.



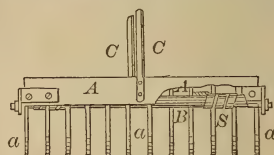
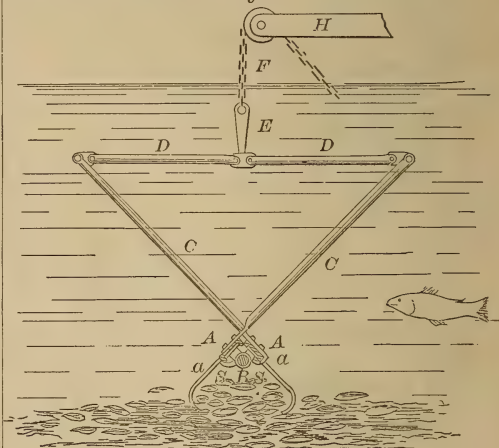
76695—J. Barclay—Button Hole Lining.



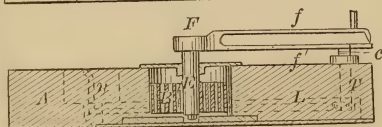
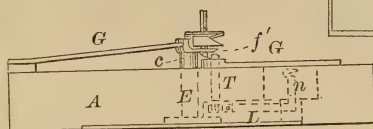
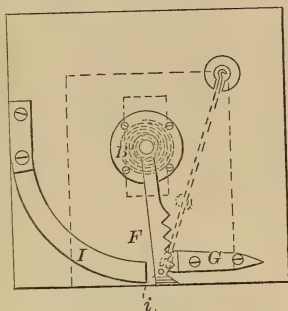
76696—A. Barnes—For Printing Hat Poles.



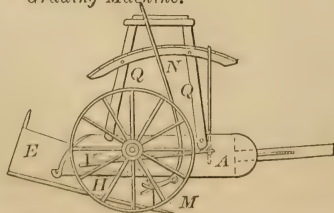
76697—A. Barrett—Oyster Rake.



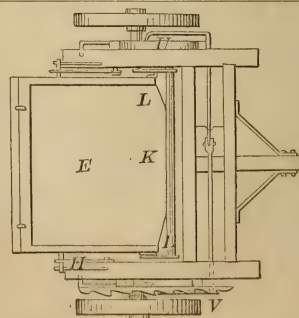
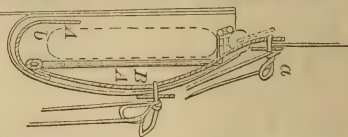
76700—R. Beem—Rat Trap.



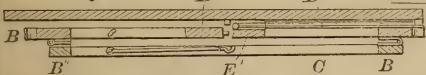
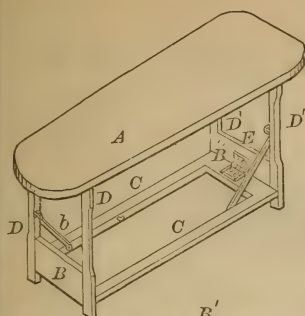
76698—Bartlit & Merryman—Grading Machine.



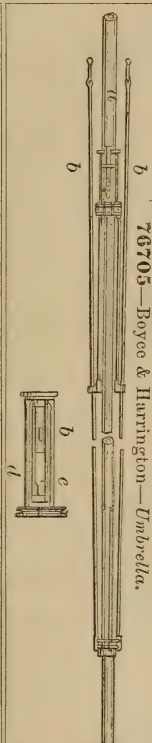
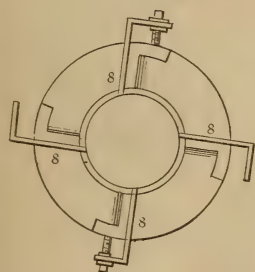
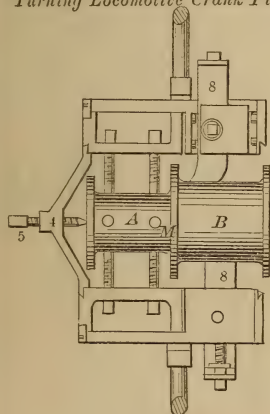
76699—C. Baumann—Watch Protector.



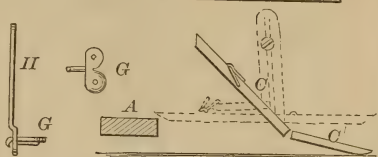
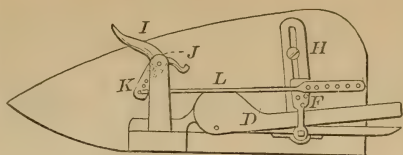
76701—G. I. Birch—Ironing Board.



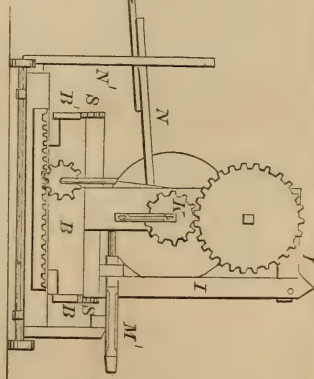
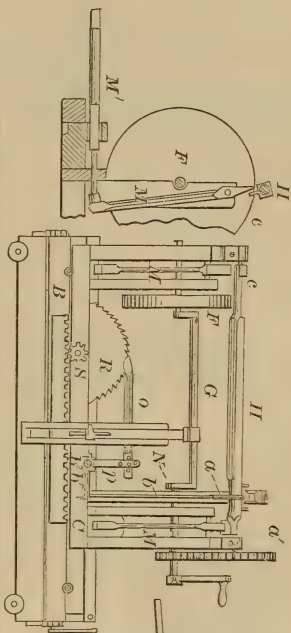
76702—Blythe & Hayes—For Turning Locomotive Crank Pins.



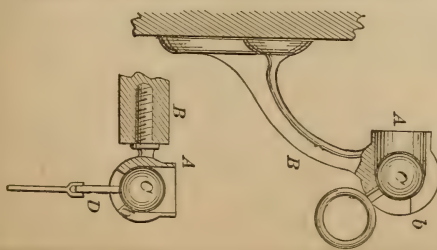
76703—J. W. Bope—Platform for Harvesters.

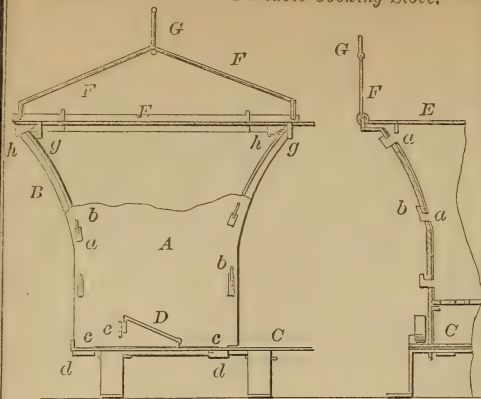
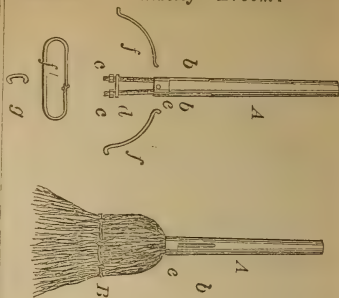
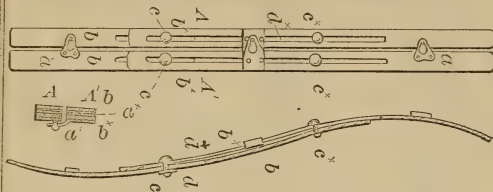
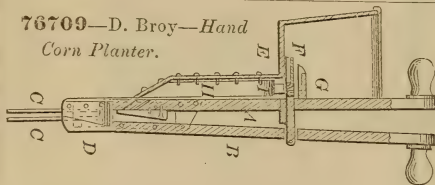
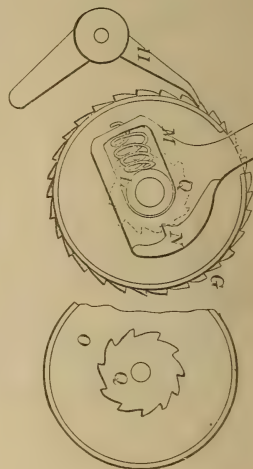
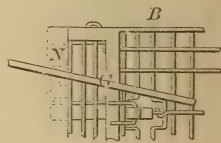
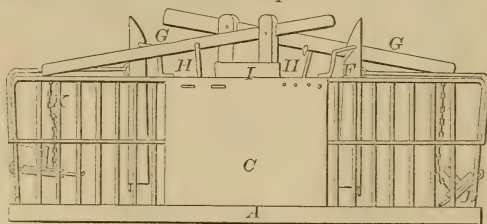
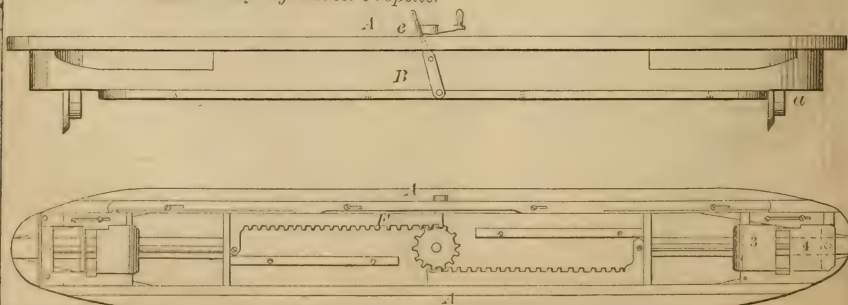


76704—J. Borton—Coal Excavating Machine.

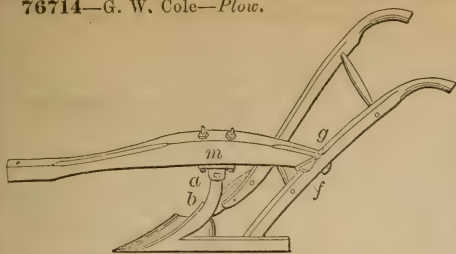


76706—H. Breevort—Detachable Ball Joint.

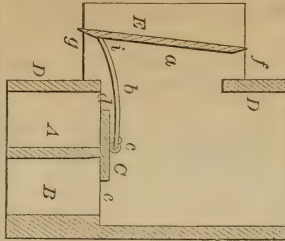


76707—H. Brown—*Portable Cooking Stove.*76710—J. Buereky—*Broom.*76708—Brown & Willets—*Corset Spring.*76709—D. Broy—*Hand Corn Planter.*76712—W. H. Castle—*Water Elevator.*76713—J. J. Cline—*Animal Trap.*76711—J. Busser—*Shifting Bucket Propeller.*

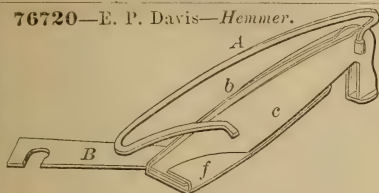
76714—G. W. Cole—*Plow*.



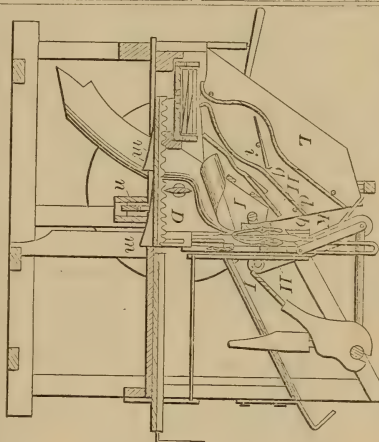
76717—R. T. Crane—*Ventilator.*



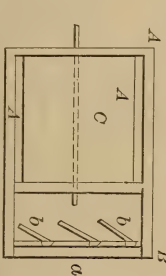
76720—E. P. Davis—*Hemmer*.



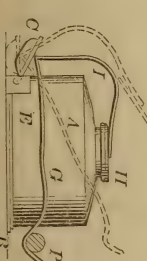
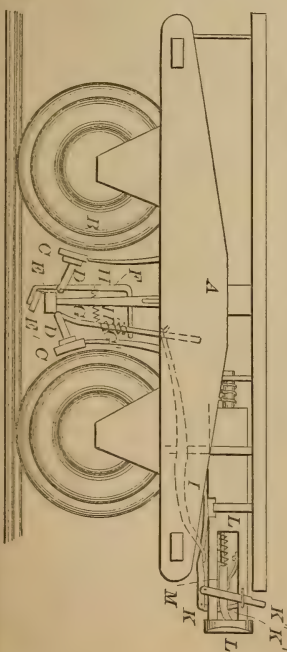
76721—J. P. N. Davis—*Single Machine.*



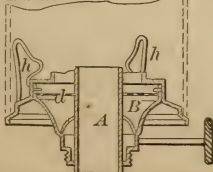
76718—R. T. Crane—Ventilator.

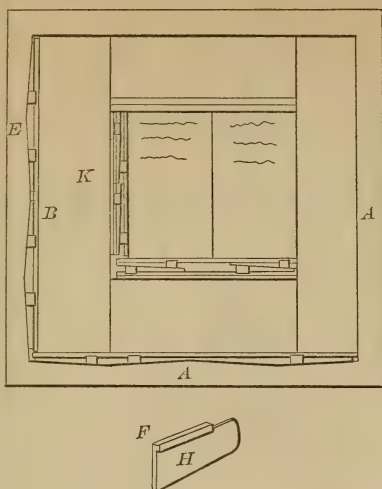
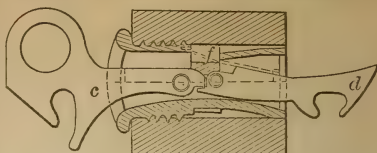
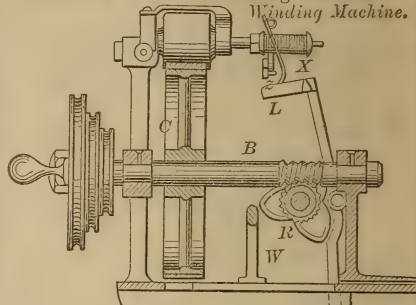
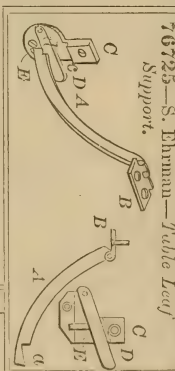
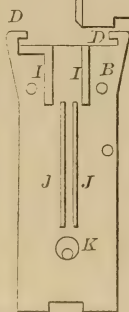
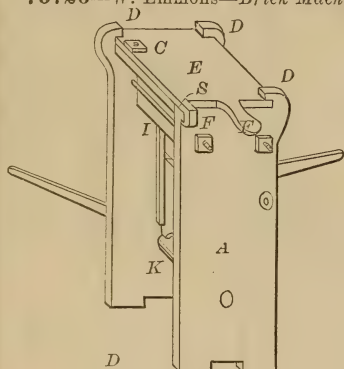
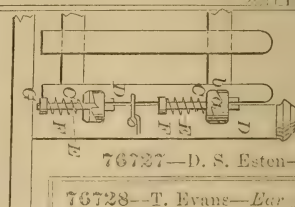
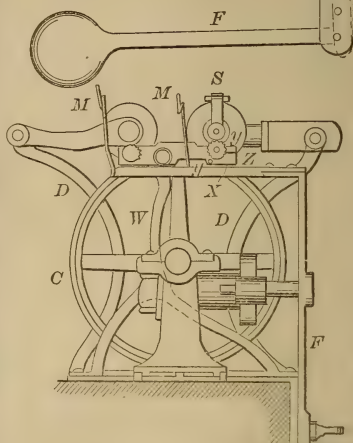
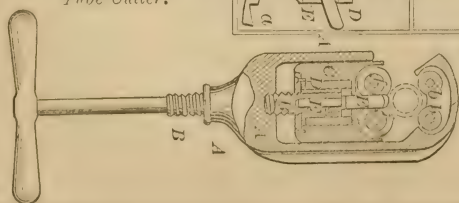
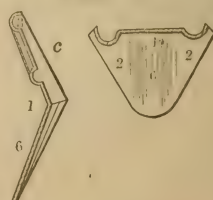


76719—Darling & Hall—
Inlstand.

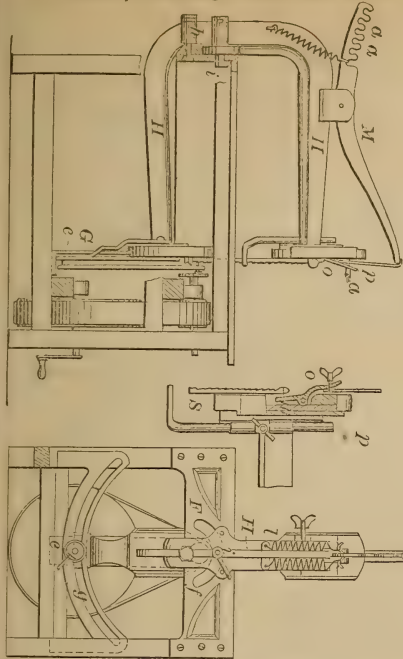
76715—G. W. Combs—*Car. Bruke.*

76716—H. Coulter—*Lamp
Burner.*

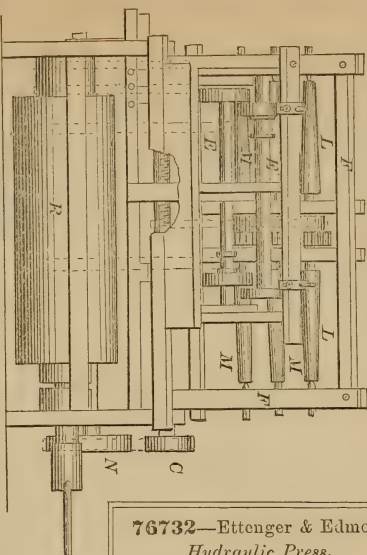


76722—R. Dick—*Printers' Chase.*76723—B. Doe—*Shutter Fastening.*76724—F. C. & T. Ehrenberg—*Thread Winding Machine.*76726—W. Emmons—*Brick Machine.*76725—S. Ehrenman—*Tube Leaf Support.*76729—J. De Galleford—*Tube Cutter.*76727—D. S. Esten—*Hinge.*76728—T. Evans—*Bar for Kettle Bails.*

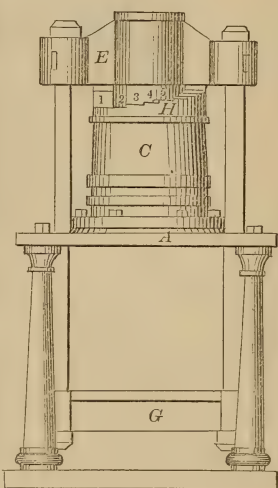
76730—B. Demming—Scroll Saw Mill.



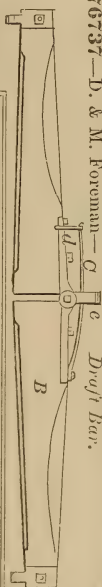
76733—G. W. Feltes—Wood Lath.



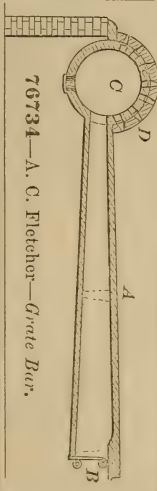
76732—Ettenger & Edmond—Hydraulic Press.



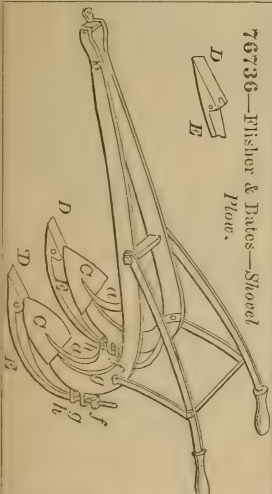
76737—D. & M. Foreman—C Draft Bar.



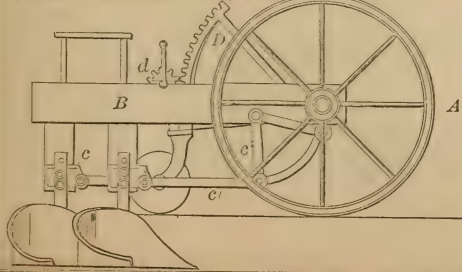
76734—A. C. Fletcher—Grate Bar.



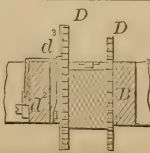
76736—Fisher & Bates—Shoel Piece.



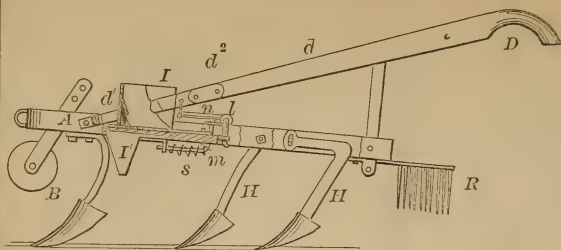
76735—M. Flinn—Gang Plow.



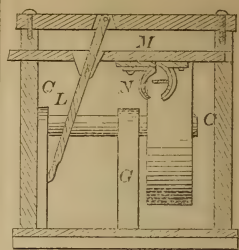
76731—L. Elliott, Jr.—Overshoe.



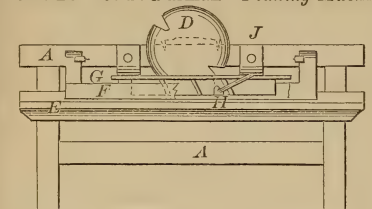
76738—J. H. Frampton—Corn Planter and Plow.



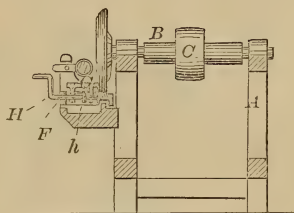
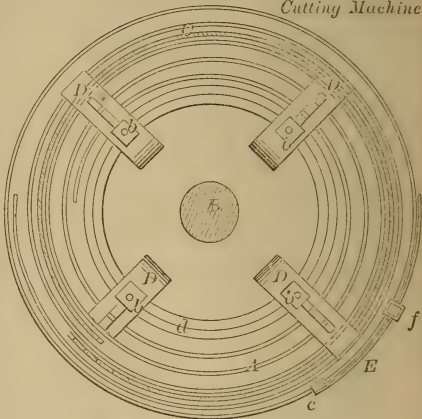
76739—T. W. Frost—Shipper for Shifting Belts.



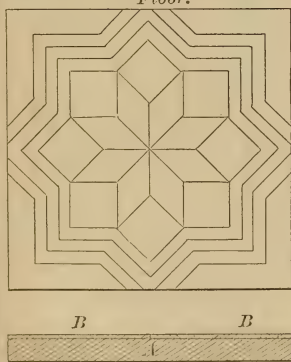
76740—O. P. Furman—Planing Machine.



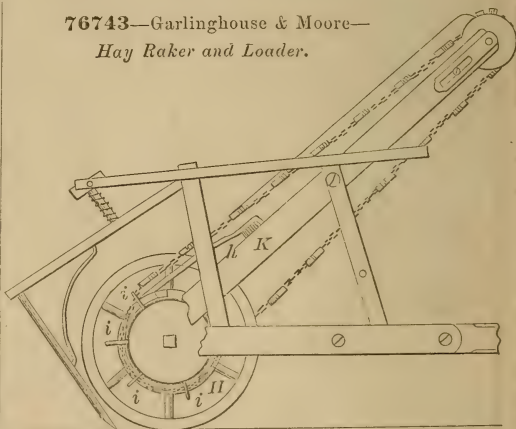
76741—W. M. Galusha—Scroll Index for Gear Cutting Machines.



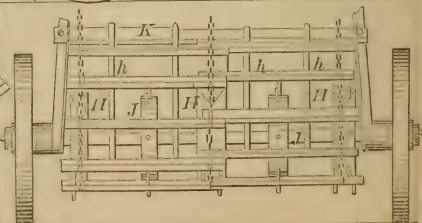
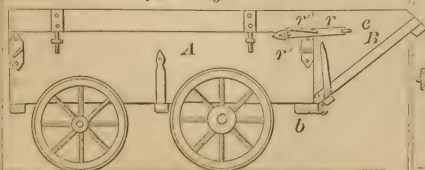
76742—G. G. Garibaldi—Mosaic Floor.



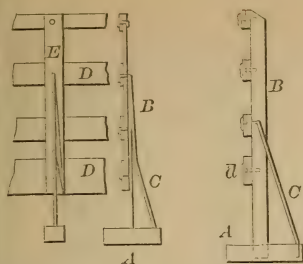
76743—Garlinghouse & Moore—Hay Raker and Loader.



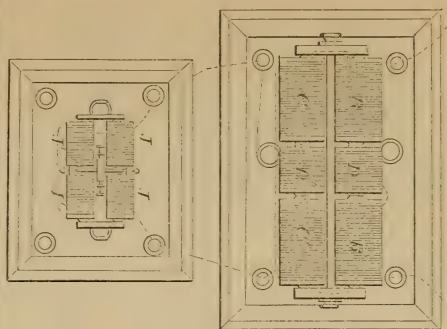
76744—F. Gerard—Hopper Attachment for Wagons.



76745—J. A. Gormly—Fence.



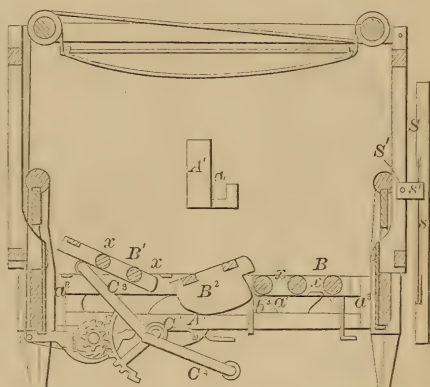
76748—E. Gray—Telegraph Apparatus.



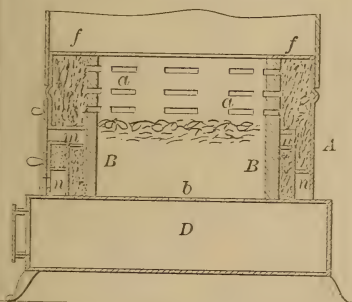
76746—F. H. Gould—
Detachable Button Covering.



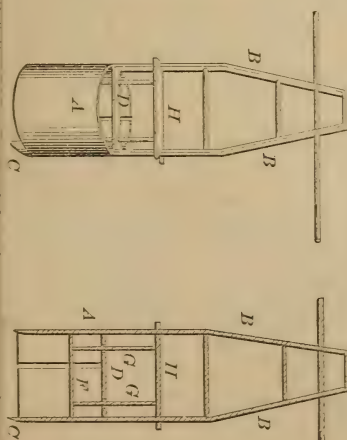
76747—E. Gray—Hospital Bed.



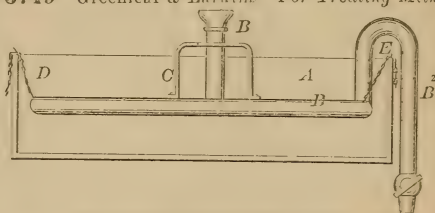
76750—C. B. Gregory—Fireplace.



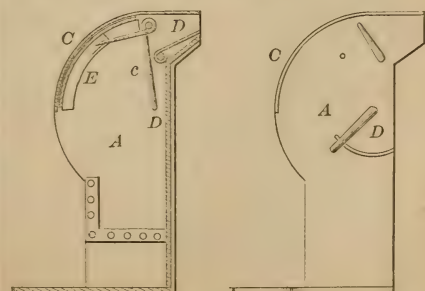
76752—W. I. Hale—Post Hole
Boring Machine.



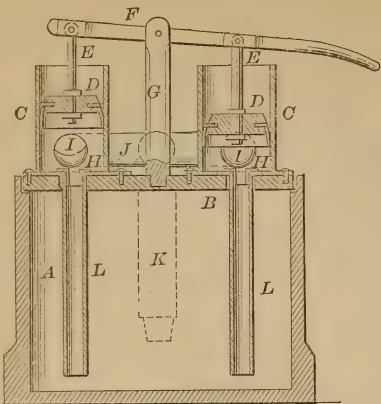
76749—Greenleaf & Larkins—For Treating Milk.



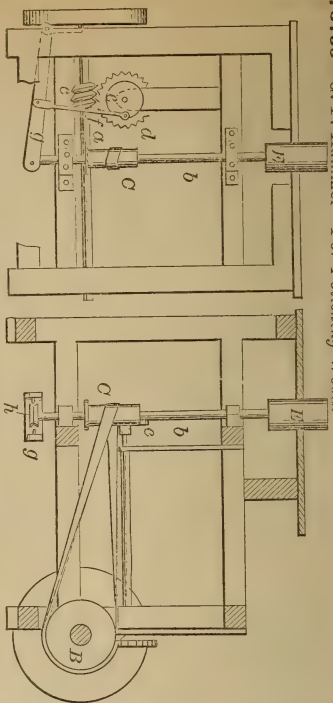
76751—W. D. Guseman—Fireplace.



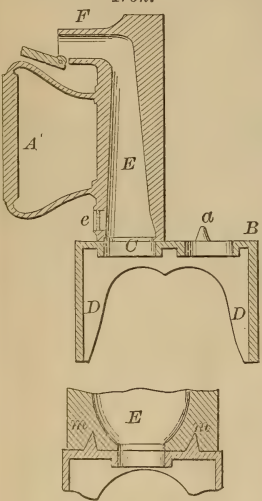
76753—D. C. Hall—Atmospheric Churn.



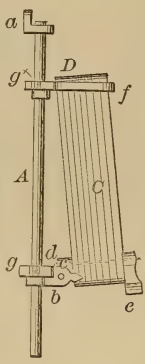
76755—G. F. Hammer—For Polishing Wood.



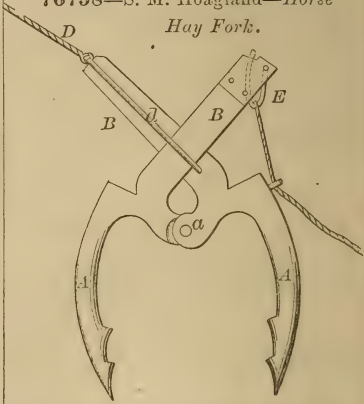
76754—J. W. Hall—Saw Iron.



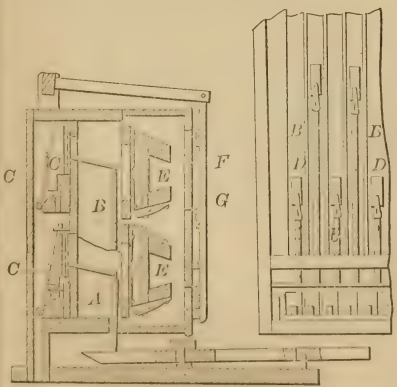
76756—H. J. Hancock—Clothes Dryer.



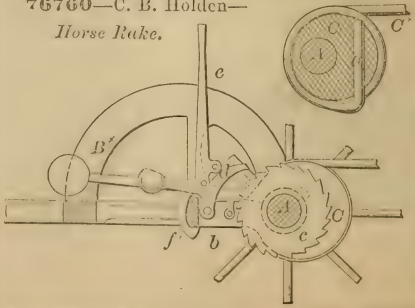
76758—S. M. Hoagland—Horse Hay Fork.



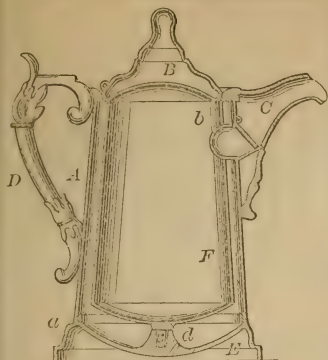
76759—F. Hoddick—Reed Organ.



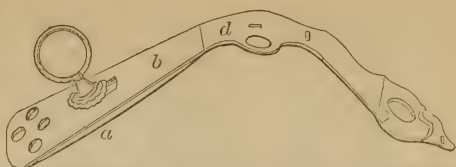
76760—C. B. Holden—Horse Rake.



76761—R. Holmes—Ice Pitcher.



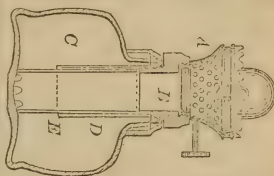
76762—B. F. Hooper—Coach Pad.



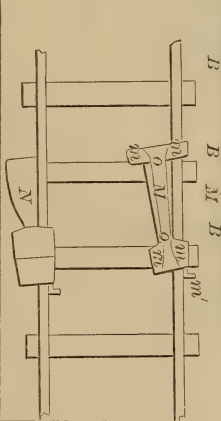
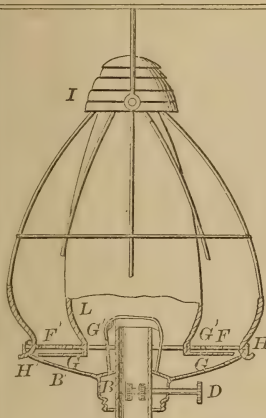
76763—
E. D. Ives—
Glass Knob.



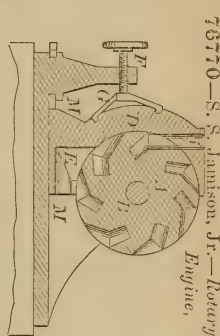
76764—M. W. House—Lamp.



76767—A. S. Jackson—Lantern.

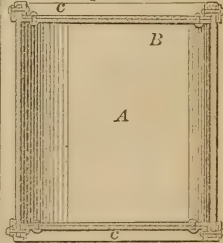


76768—S. S. Jamison, Jr.—Over Replacer.

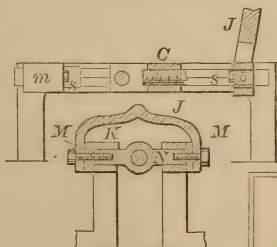
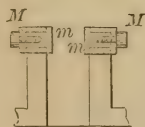
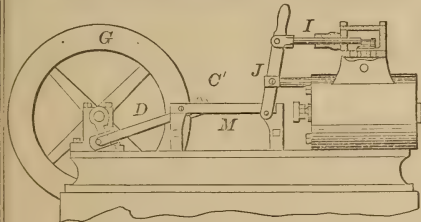


76770—S. S. Jamison, Jr.—Rotary
Engine.

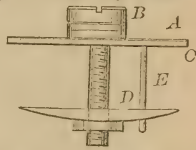
76771—J. W. Jarboe—
Paper Cask.



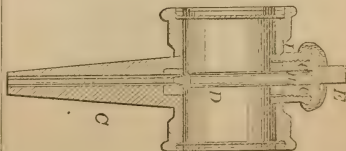
76769—S. S. Jamison, Jr.—Valve Gear.



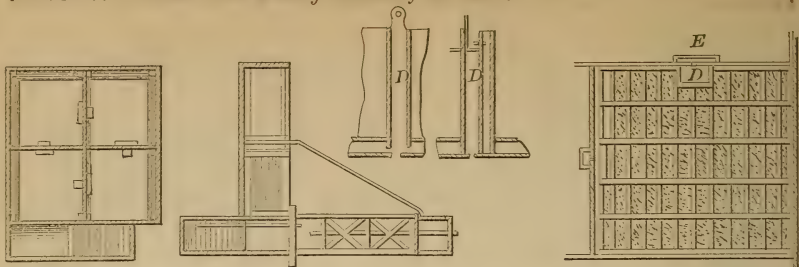
76772—E. T. Jenkins—For
Closing the Mouths of Jars.



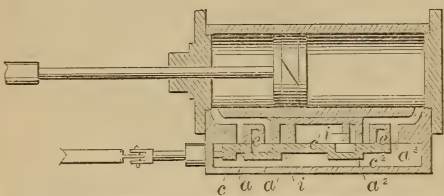
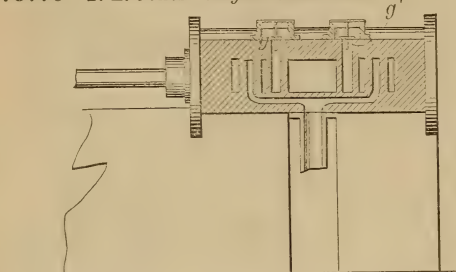
76774—E. Johnson—Lubricator.



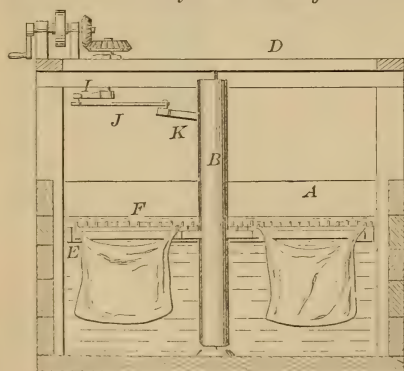
76775—J. W. Jones—For Making Extracts from Bark.



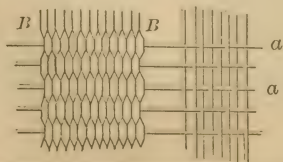
76776—T. L. Jones—Engine Slide Valve.



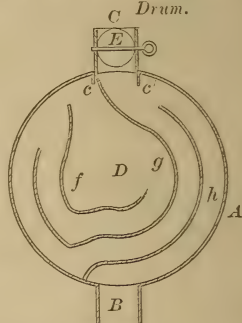
76777—L. L. Kelly—For Tanning.



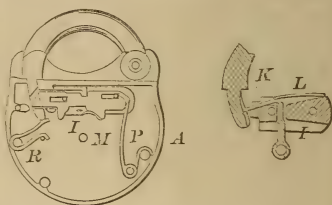
76783—I. Lindsley—Woven Fabric.



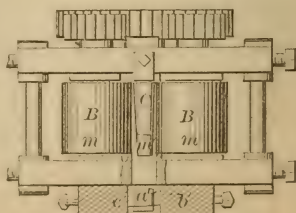
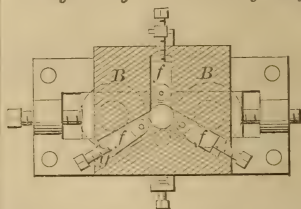
76779—D. Knowlton—Stove Pipe Drum.



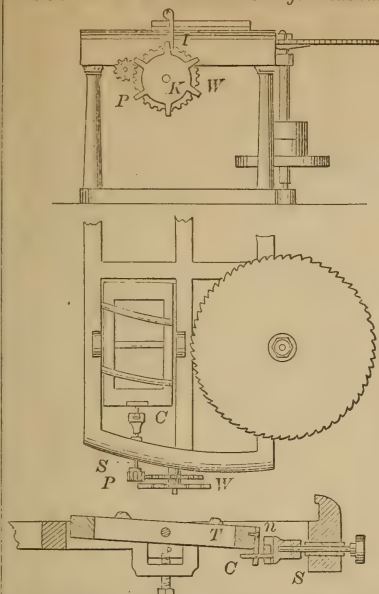
76780—J. E. Kohout—Padlock.



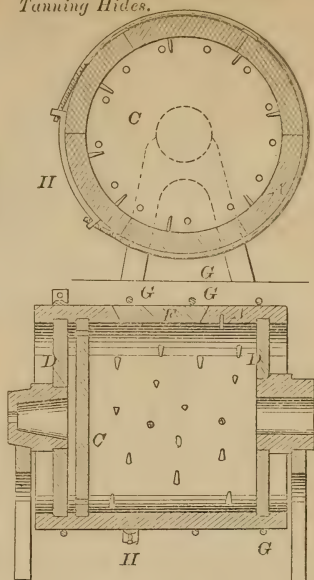
76781—Laforge & Geddes—For Straightening and Rounding Shafting.



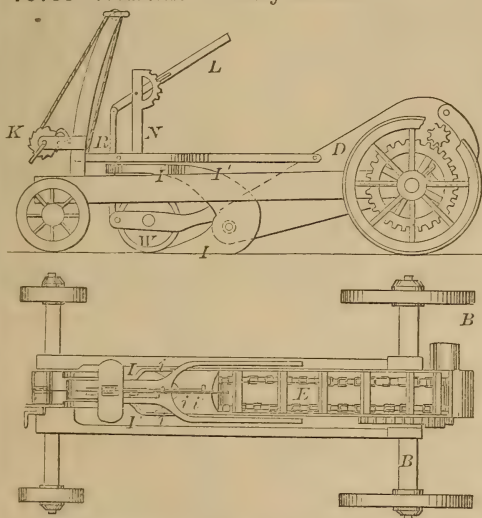
76782—P. H. Lawler—Shingle Machine.



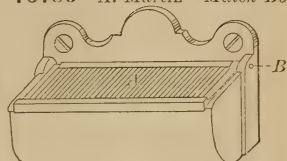
76784—J. W. Lull—Revolving Cylinder for Tanning Hides.



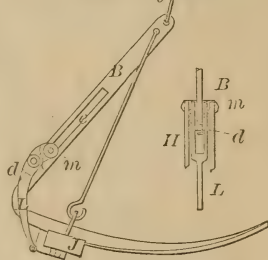
76788—J. Masters—Ditching Machine.



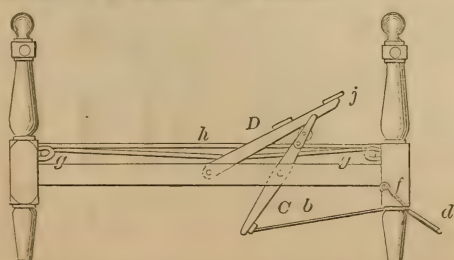
76786—A. Martin—Match Box.



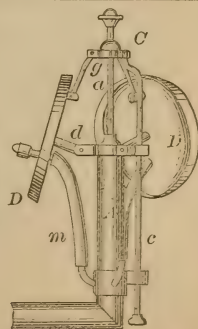
76787—Martin & Blocher—Horse Hay Fork.



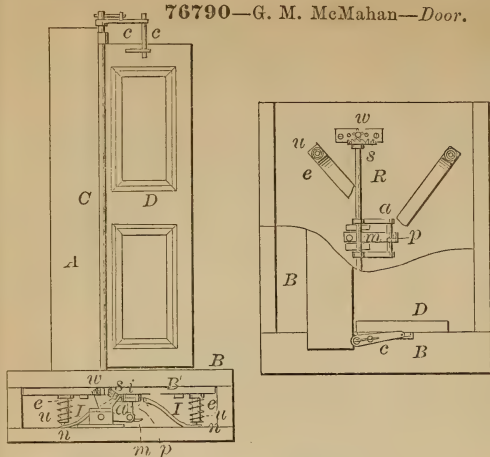
76785—J. S. Mabbett—Bed Bottom.



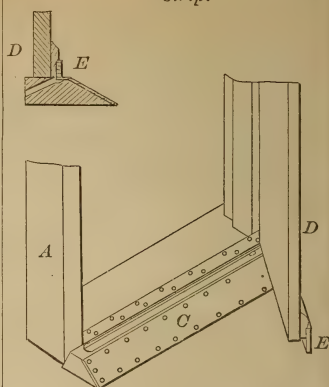
76789—W. J. McLea—Gas Reflector.



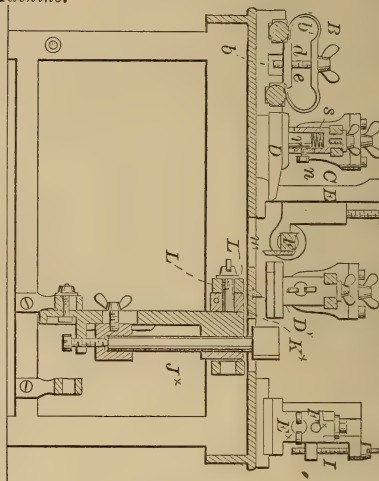
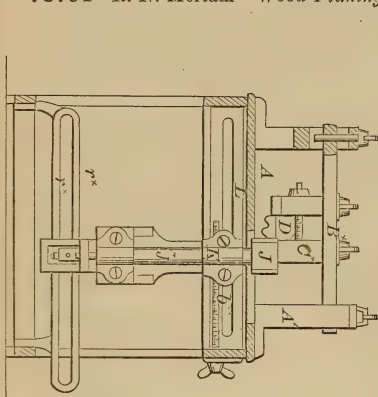
76790—G. M. McMahan—Door.



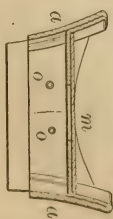
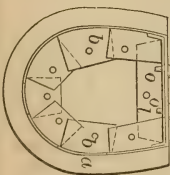
76793—J. R. Mills—Weather Strip.



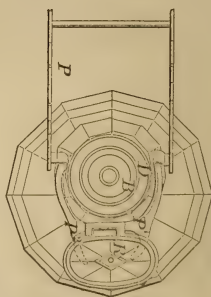
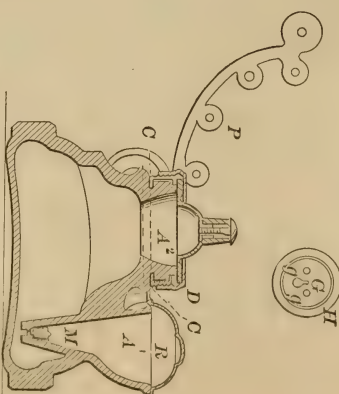
76791—R. N. Meriam—Wood Planing Machine.



76791—R. N. Meriam—Wood Planing Machine.

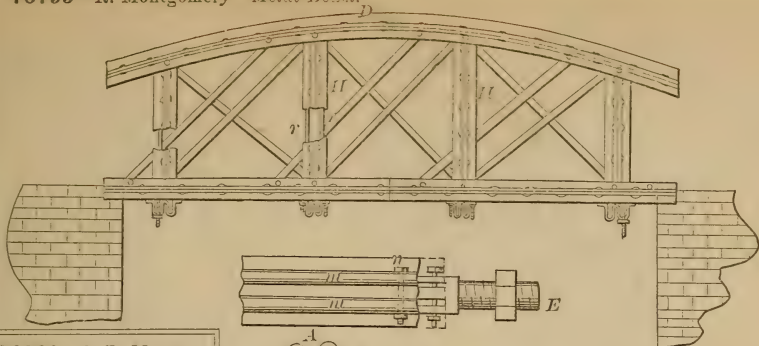


76794—J. R. Moffit—Heel Casing.

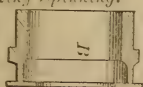


76792—G. Morrill—Inkstand.

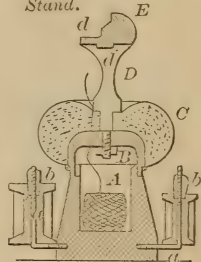
76795—R. Montgomery—Metal Beam.



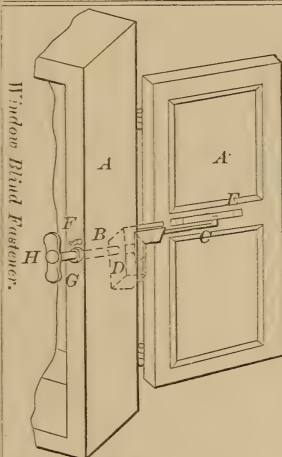
76797—C. B. Morse—
Making Rings for
Ring Spinning.



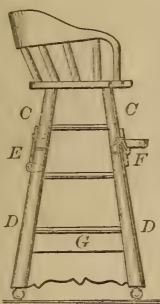
76796—I. Morris—Work
Stand.



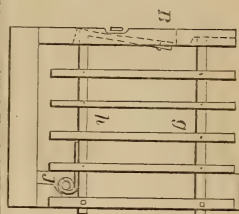
76799—D. B. & C. C. Mosher—



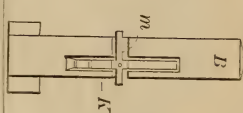
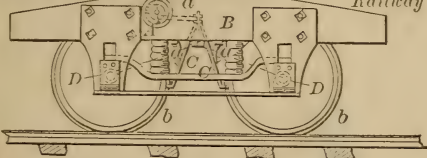
76801—J. Nichols—Chair.



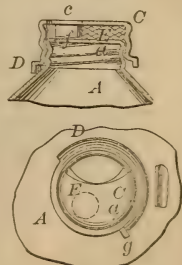
76800—E. M. Naramore—Gate.



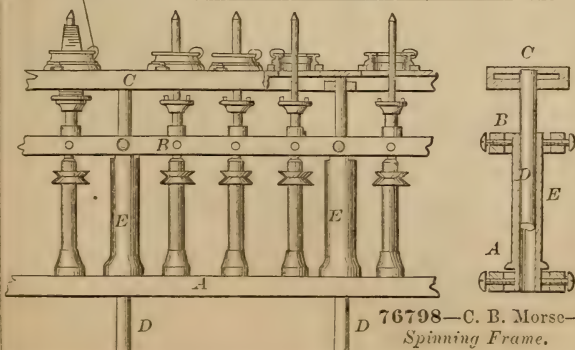
76803—L. E. Osborn—Indicator for Springing
Railway Axles.



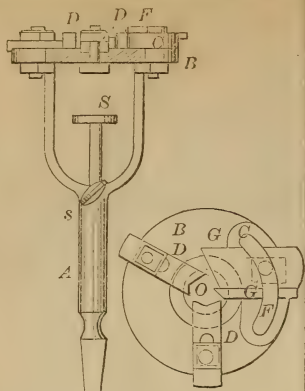
76802—J. H. Noyes—
Oil Can Cap.



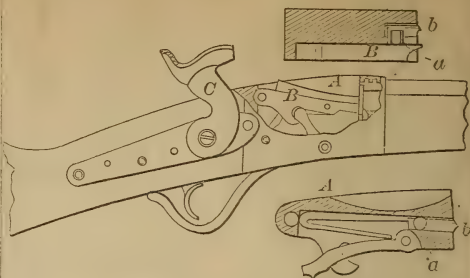
76798—C. B. Morse—
Spinning Frame.



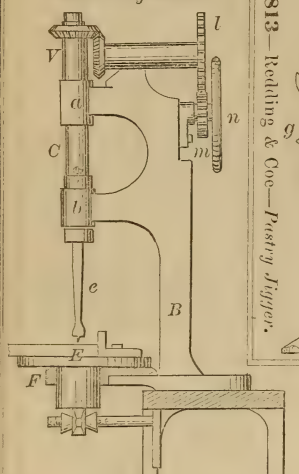
76804—J. L. Parker—Hollow Auger.



76805—H. O. Peabody—Fire Arm.



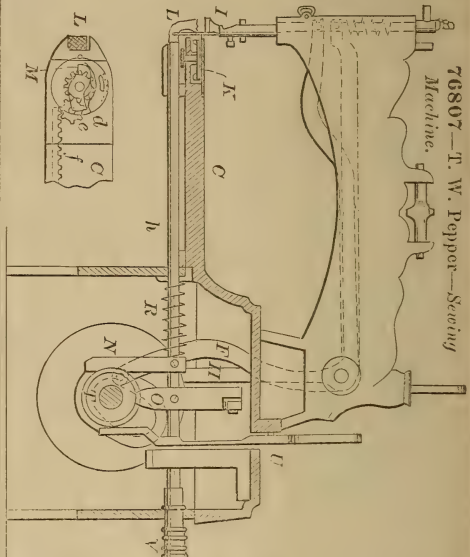
76808—G. B. Phillips—Mortising Machine.



76813—Reedling & Coe—Pasting Jigger.



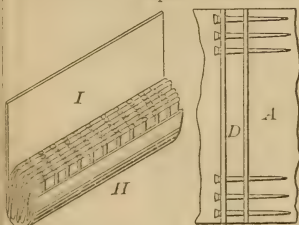
76807—T. W. Pepper—Sewing Machine.



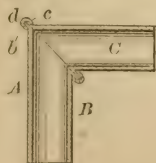
76811—J. Raddin—Car Wheel.



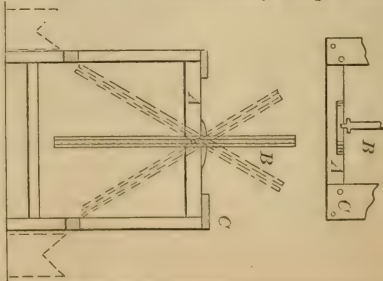
76809—T. Piper—Pin Book.



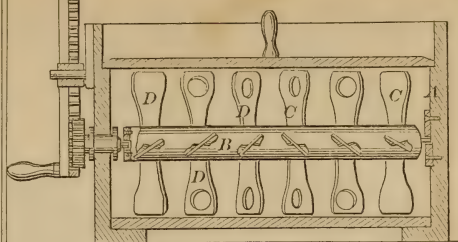
76812—C. Recht—Stove Pipe Elbow.



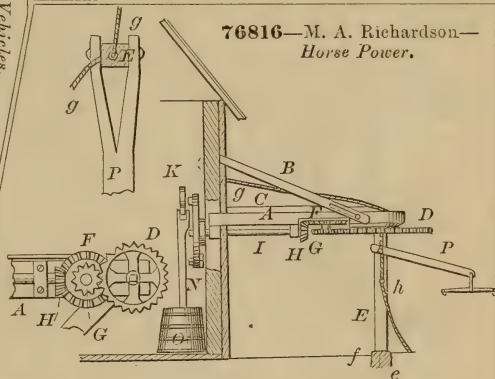
76810—A. Putnam—Swing Sheep Feeder.



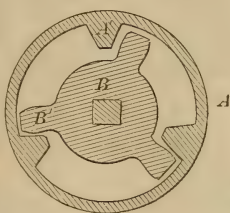
76815—T. Rich—Churn.



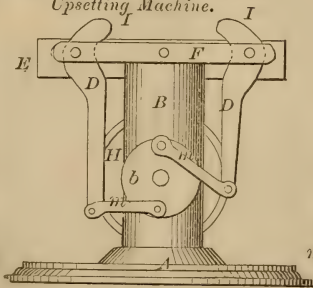
76816—M. A. Richardson—Horse Power.



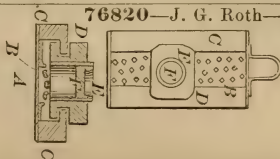
76819—P. G. Ross—Shaft Coupling.



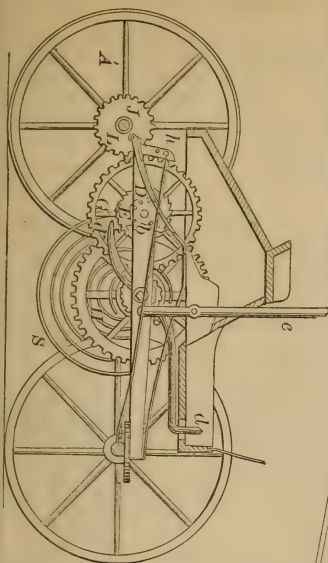
76822—J. F. Sargent—Upsetting Machine.



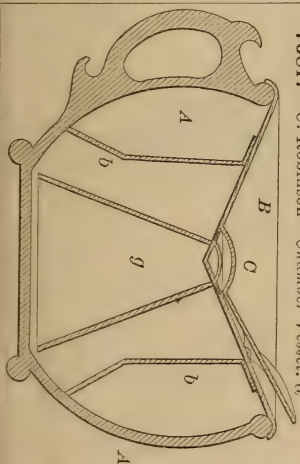
76820—J. G. Roth—Nutmeg Grater.



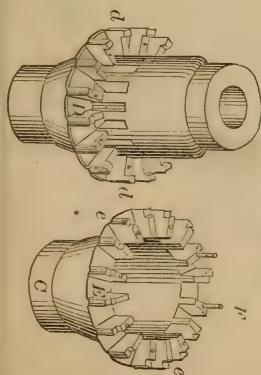
76814—T. Rhoads—Propelling Vehicles.



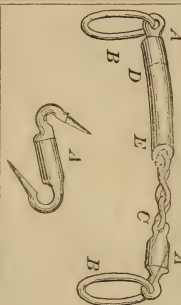
76817—C. Robinson—Chamber Vestel.

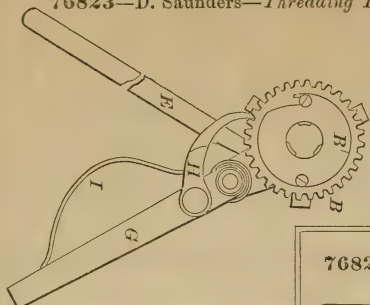
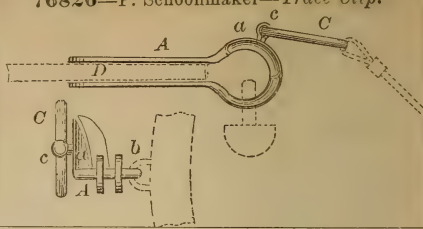
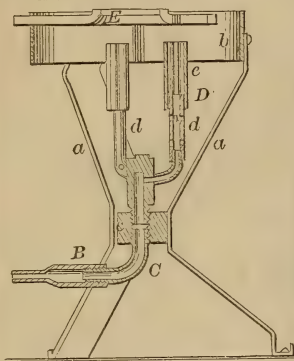
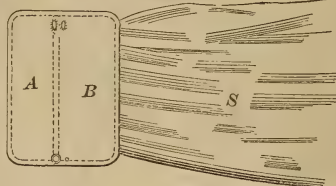
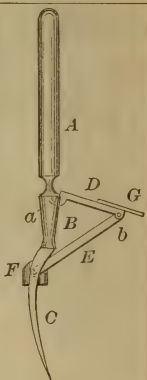
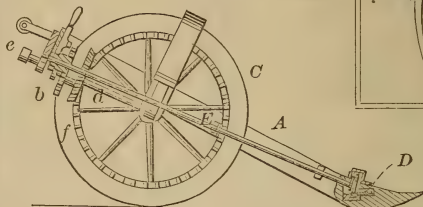
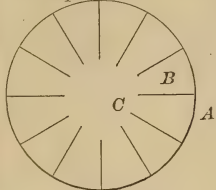
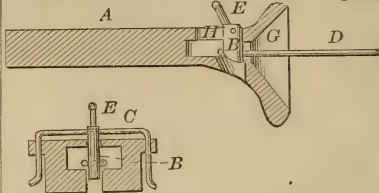
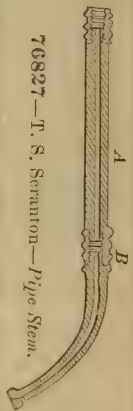
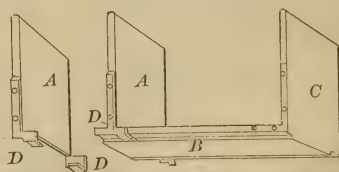
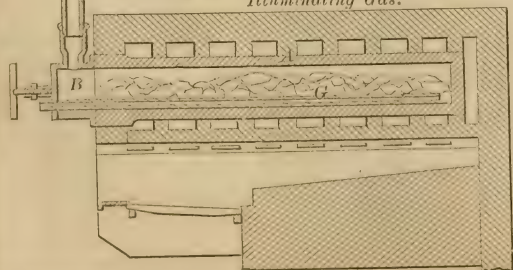
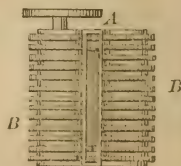


76818—W. H. Rodenheaver—Wagon Wheel Hub.

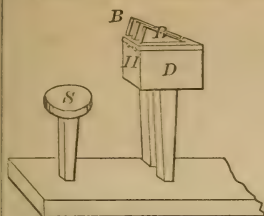


76821—B. L. Rowley—Flexible Bit for Bridles.

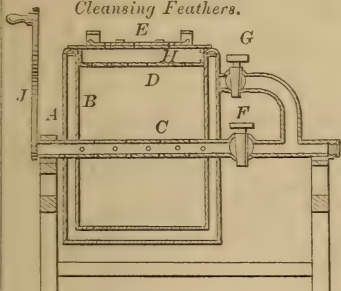


76823—D. Saunders—*Threading Tube.*76826—P. Schoonmaker—*Trace Clip.*76828—P. Schryer—*Gas Heater.*76829—S. H. Scribner—*Shirt Wristband.*76835—H. Smith—*Cook Fork.*76831—S. W. Sears—*Lawn Mower.*76830—H. D. Scudder—*Paper Box.*76833—D. V. B. Smart—*Car Coupling.*76827—T. S. Seranton—*Pipe Stem.*76834—Smith & Cheever—*Paper File.*76837—Somerville & Elsdon—*Manufacture of Illuminating Gas.*76836—J. H. Smith—*Lamp.*

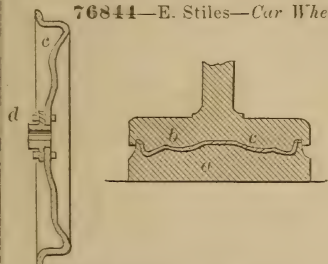
76839—E. I. Stearns—School Desk.



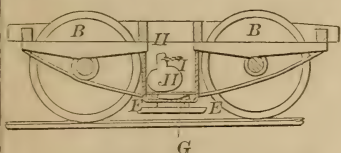
76840—H. B. Steele—For Cleansing Feathers.



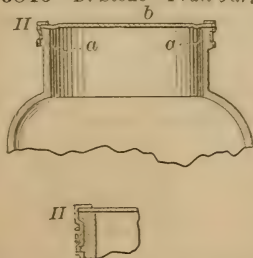
76841—E. Stiles—Car Wheel.



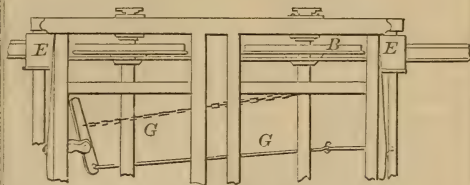
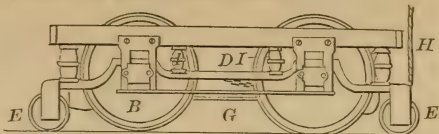
76843—E. Stiles—Car Brake.



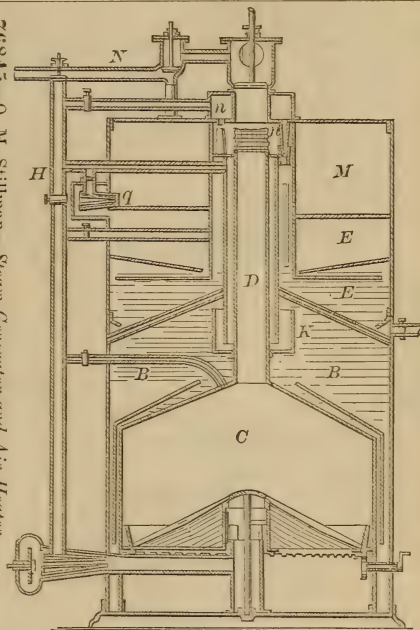
76846—D. Stone—Fruit Jar.



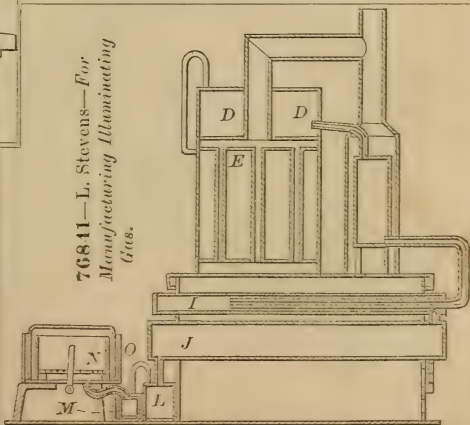
76842—E. Stiles—Car Truck.



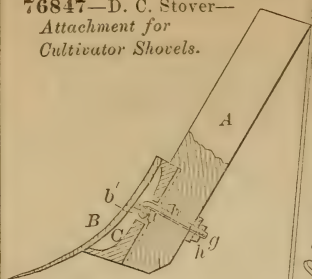
76845—O. M. Stillman—Steam Generator and Air Heater.



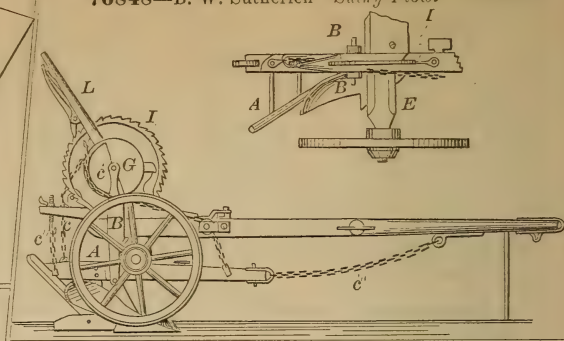
76841—L. Stevens—For Manufacturing Illuminating Gas.



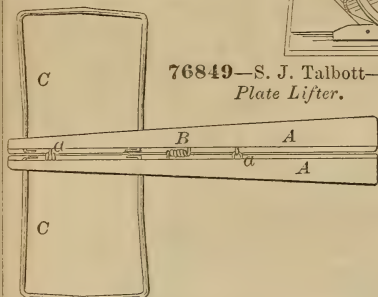
76847—D. C. Stover—
Attachment for
Cultivator Shovels.



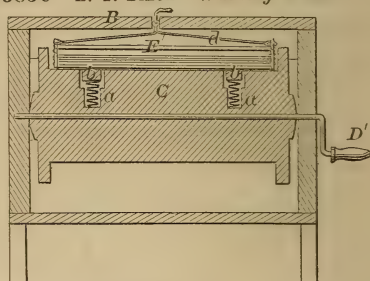
76848—B. W. Sutherland—*Sulky Plow.*



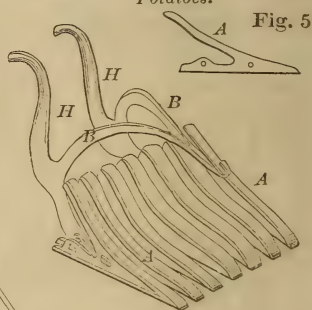
76849—S. J. Talbott—
Plate Lifter.



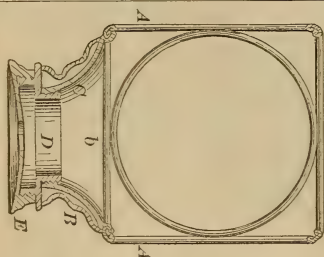
76850—E. T. Tinch—*Washing Machine.*



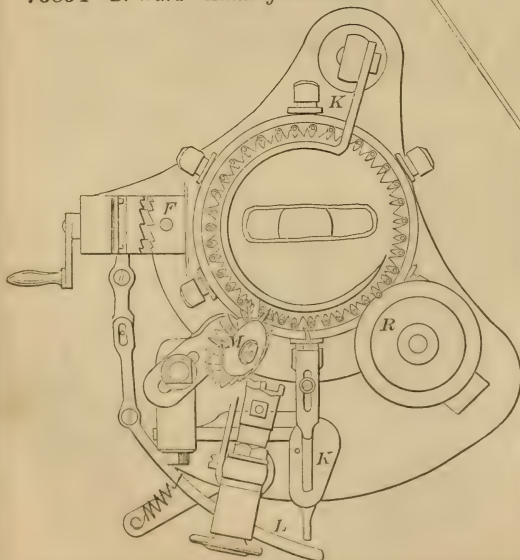
76851—D. J. Tittle—*For Raking
Potatoes.*



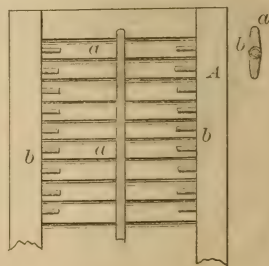
76852—C. F. Waldron—
Vehicle Lamp.



76854—B. Ward—*Knitting Machine.*



76855—C. H. Warner—
Window Blind.



76853—A. B. Walker—For Brewing, Malting, &c.

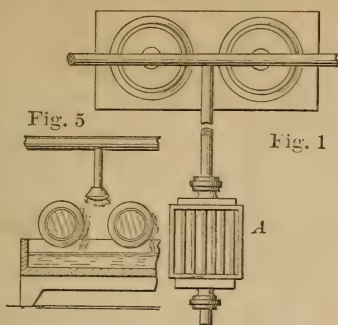


Fig. 1

Fig. 5

Fig. 2 and 3

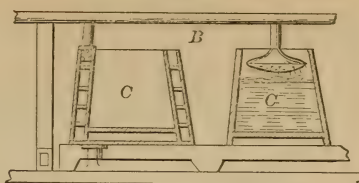


Fig. 6

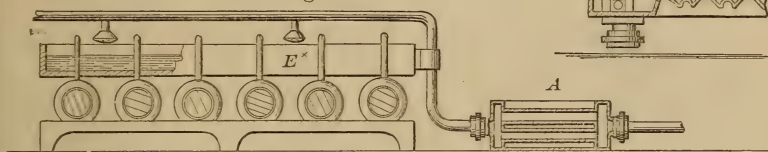


Fig. 12

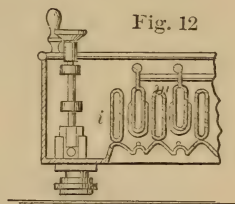


Fig. 7 B

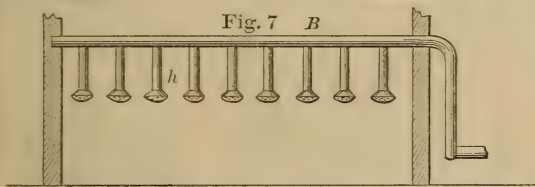


Fig. 4



Fig. 10

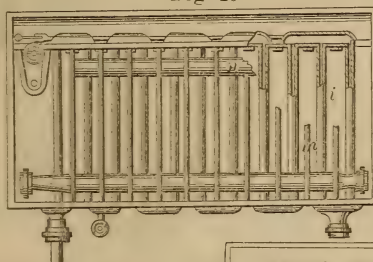
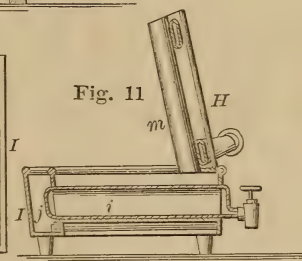
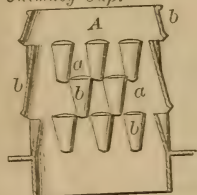


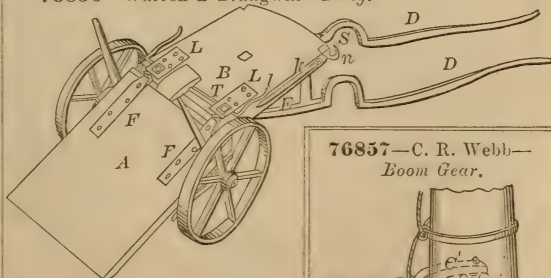
Fig. 11



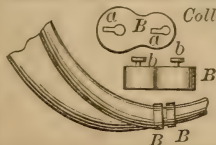
76859—H. J. Weed—
Chimney Cap.



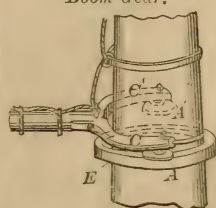
76856—Warren & Brangwin—Dray.



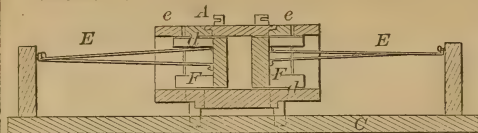
76858—E. Webber—Horse
Collar.



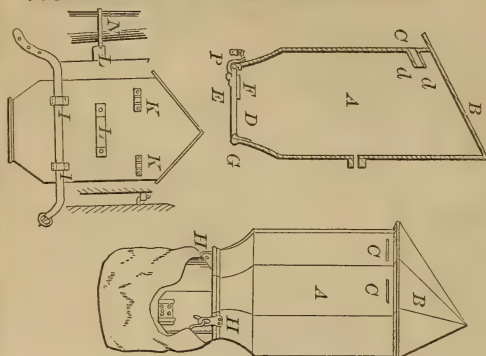
76857—C. R. Webb—
Boom Gear.



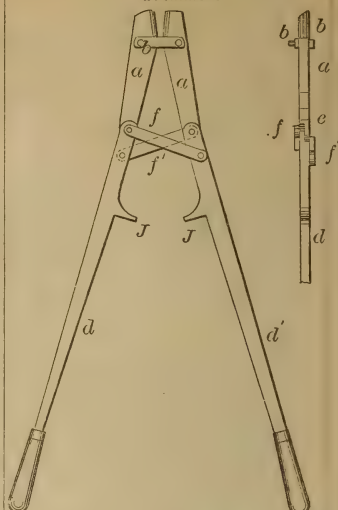
76860—J. Wentz—Cotton Press.



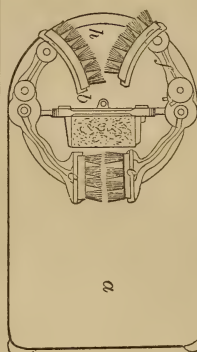
76864—D. & G. H. White—Street Letter Box.



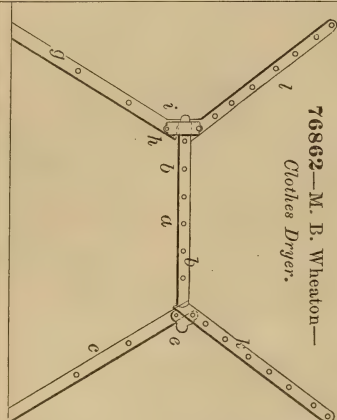
76863—A. B. White—Bolt Trimmer.



76866—W. L. Williams—Foot Scraper.



76862—M. B. Wheaton—Clothes Dryer.



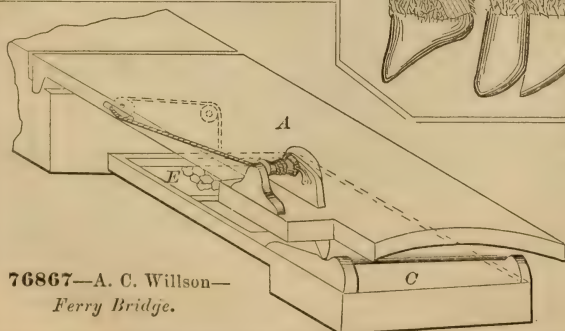
76861—D. M. Weston—Belt Stud.



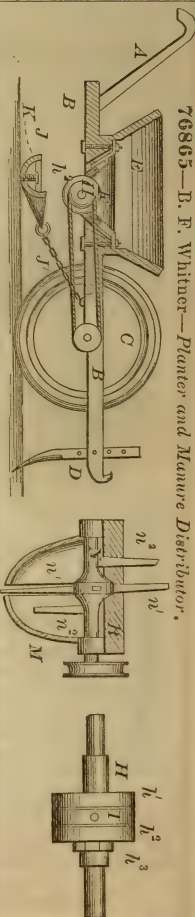
76869—G. Wilson—Treatment of Foot Rot.



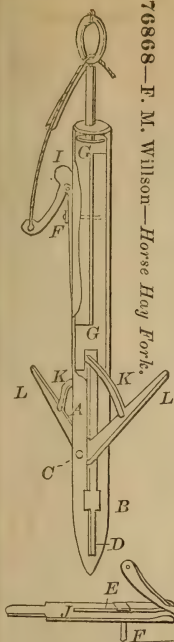
76867—A. C. Willson—Ferry Bridge.



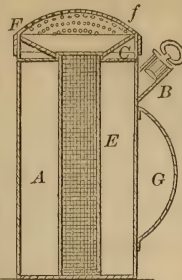
76865—B. F. Whitner—Planter and Manure Distributor.



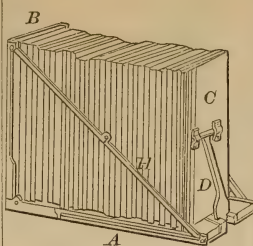
76868—F. M. Wilson—Horse Hay Fork.



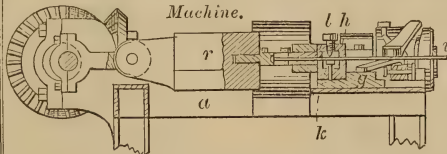
76870—W. V. Wilson—Clothes Sprinkler.



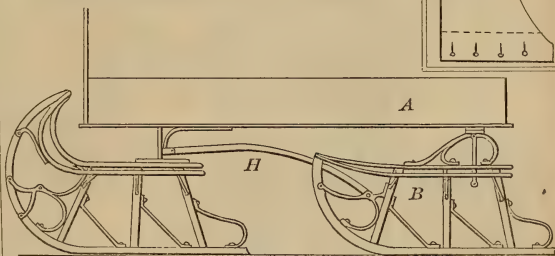
76872—Woodruff & Green—Paper File.



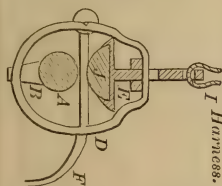
76873—G. Worstenholm—Bolt and Rivet Machine.



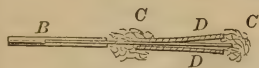
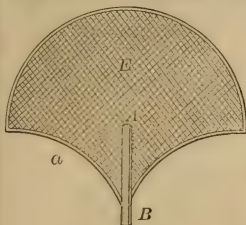
76877—Armstrong & Weller—Sleigh.



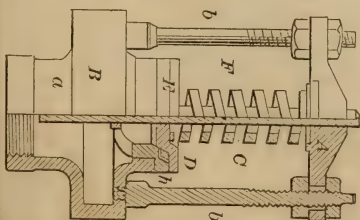
76874—G. M. Zell—Harness.



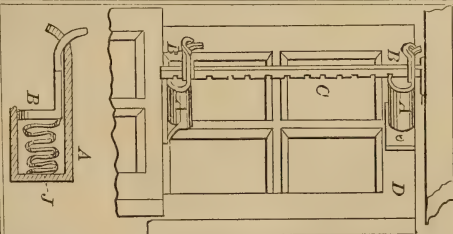
76875—S. Ainsworth—Fan.



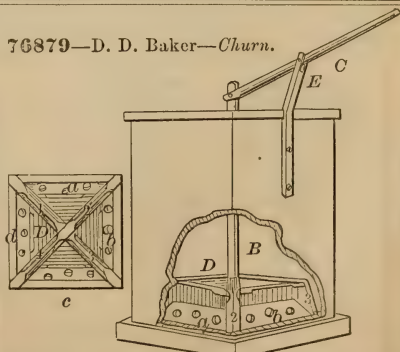
76878—E. H. Ashcroft—Steam Safety Valve.



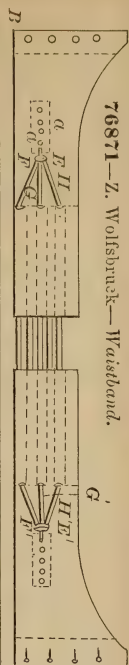
76876—E. Andrews—Window Sash Holder.



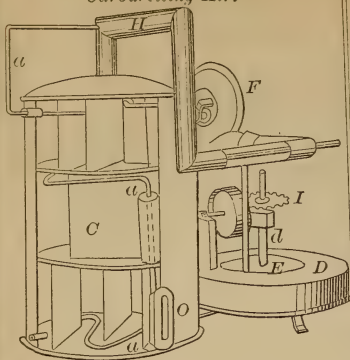
76879—D. D. Baker—Churn.



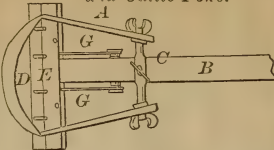
76871—L. Wollspruck—Waisband.



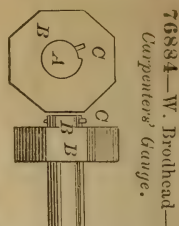
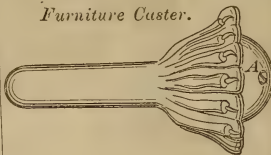
76880—J. F. Barker—*For Carburetting Air.*



76881—Bell & Fulmer—*Horse and Cattle Poke.*

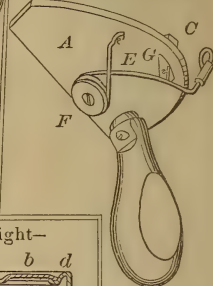


76885—J. Brown—*Furniture Caster.*

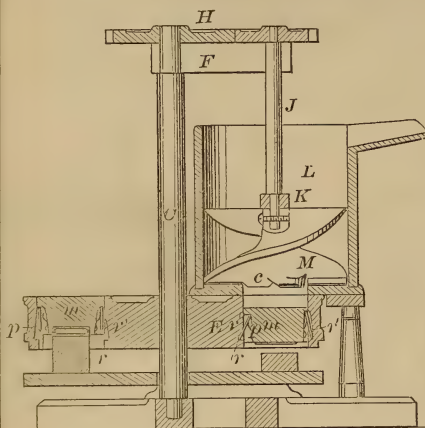


76884—W. Brodhead—*Carpenter's Gauge.*

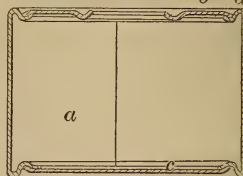
76886—O. B. Brown—*Toy Boomerang Pistol.*



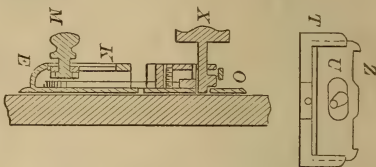
76888—E. P. H. Capron—*Brick Machine.*



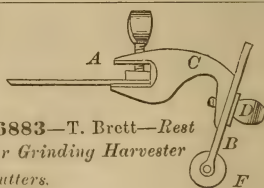
76890—J. Cartwright—*Sheet Metal Can.*



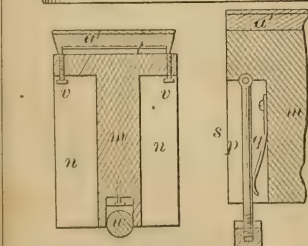
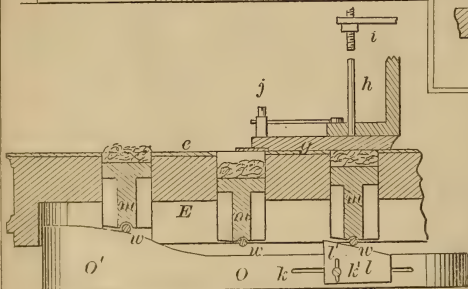
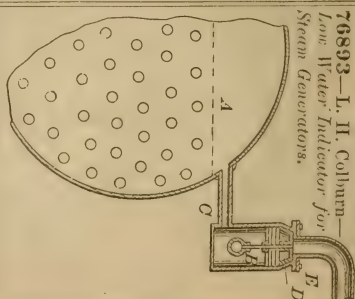
76891—O. Cate—*Sash Fastener.*



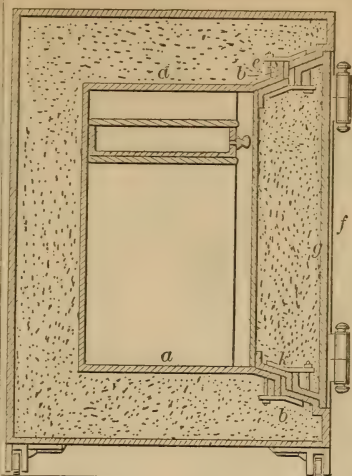
76883—T. Brett—*Rest for Grinding Harvester Cutters.*



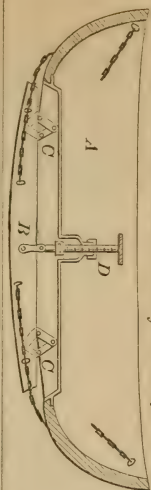
76893—L. H. Colburn—*Lane Water Indicator for Steam Generators.*



76898—J. Farrel—Fireproof Safe.



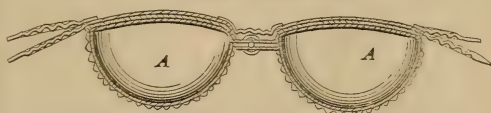
76896—H. A. Dirkes—Ballast Keel for Boats.



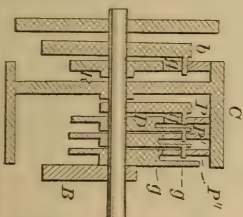
76892—D. Cheekent—Toy.



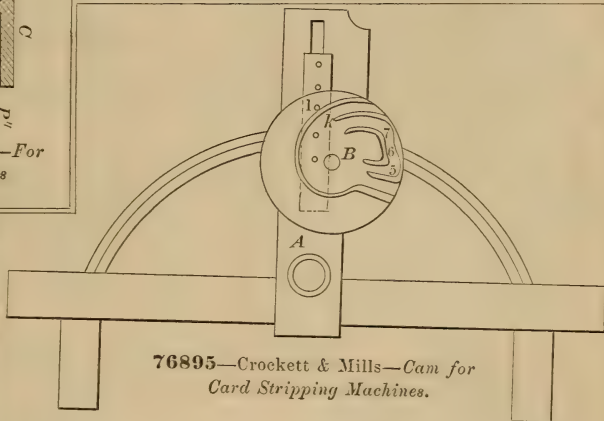
76894—J. C. Cook—Bosom Pad.



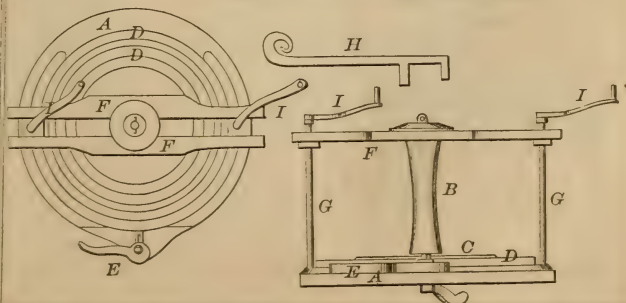
76901—L. S. Fithian—For Multiplying Revolutions around an Axis.



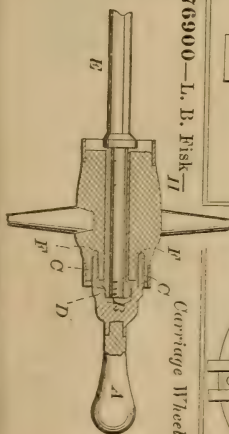
76895—Crockett & Mills—Cam for Card Stripping Machines.



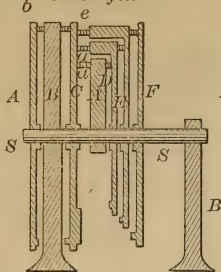
76899—G. Feightner—For Forming Fifth Wheel.



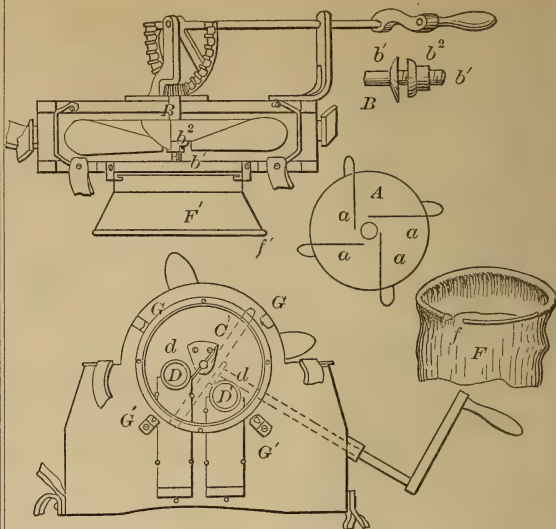
76900—L. B. Fisk—Carriage Wheel Wrench.



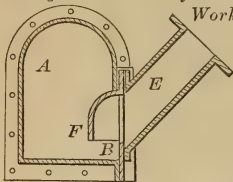
76902—L. S. Fithian—
For Multiplying Motion
on Shafts.



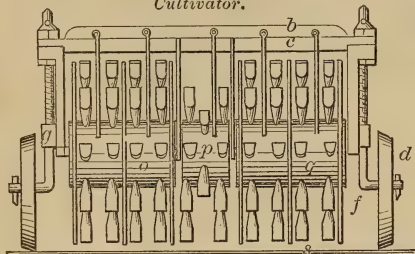
76903—F. G. & E. A. Floyd—Broadcast Seed Sower.



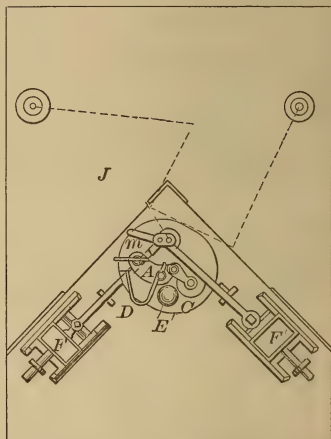
76904—Floyd & Sabbaton—
Hydraulic Main for Gas
Works.



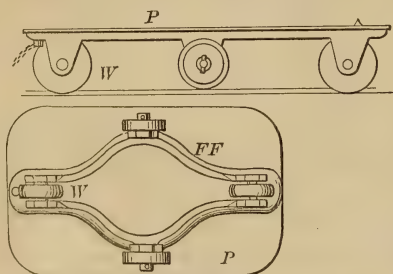
76909—M. Gordon—Corn Stalk Cutter and
Cultivator.



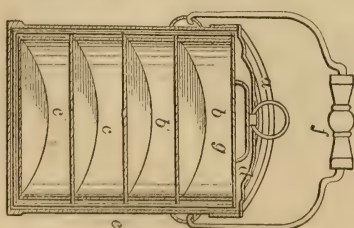
76908—W. W. Goodwin—Dry Gas Meter.



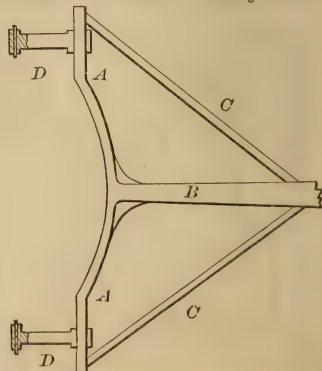
76907—J. Garsed—Hand Truck.



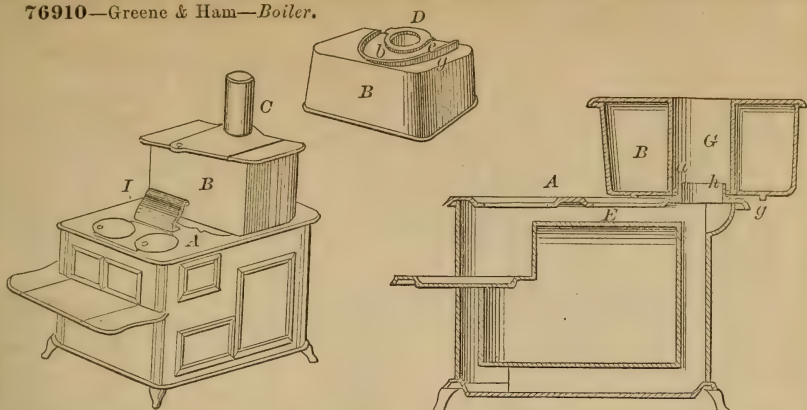
76905—J. H. Foote—Dinner Pail.



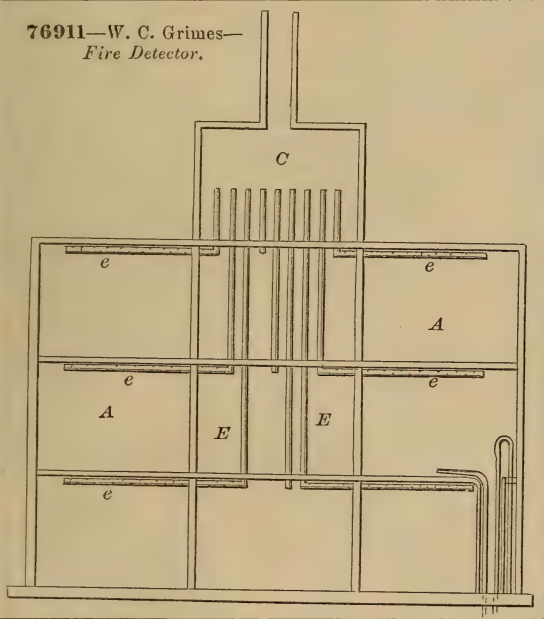
76906—F. Fowler—Carriage Pole.



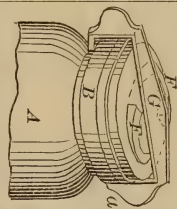
76910—Greene & Ham—Boiler.



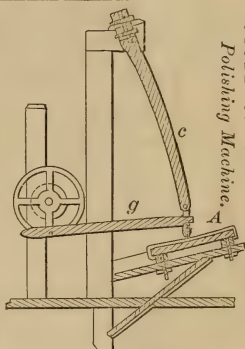
76911—W. C. Grimes—
Fire Detector.



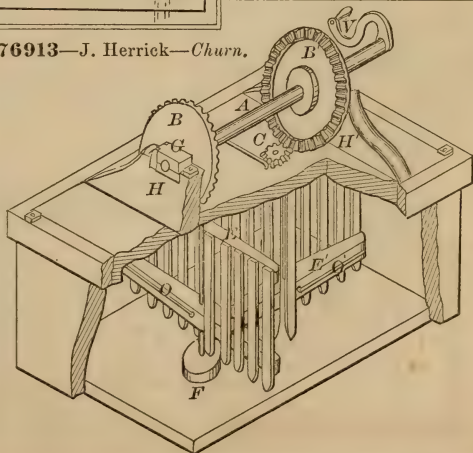
76913—
A. J. H. Hilton—
Fruit Jar and Clamp.



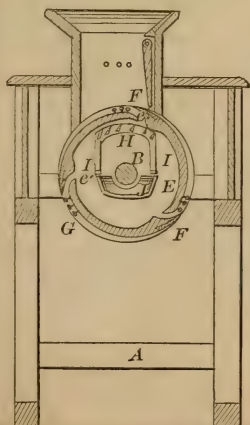
76914—J. W. Hindreth—Leather
Polishing Machine.

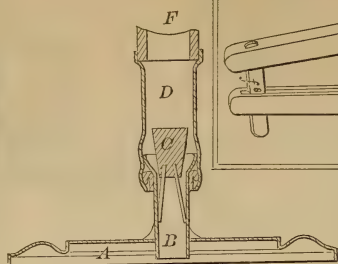


76913—J. Herrick—Churn.

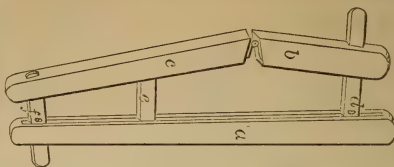
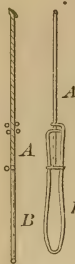
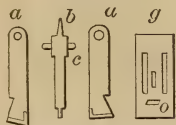
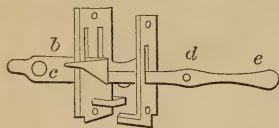


76912—J. & W. L. Heberling—Root Cutter.

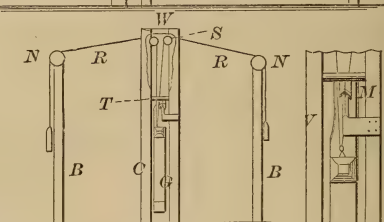
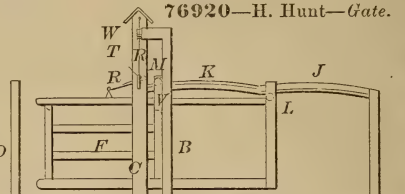
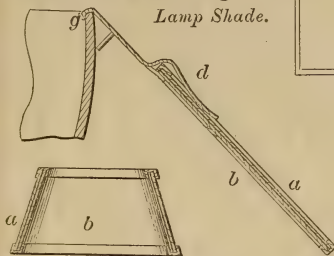
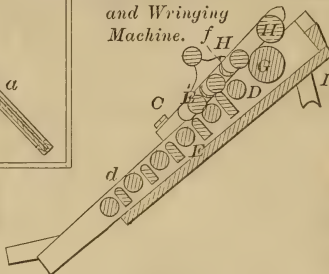
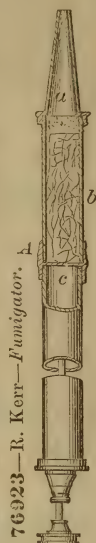
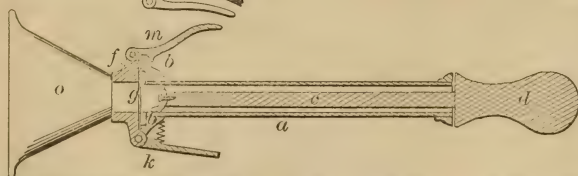


76917—L. E. Holden—
Fruit Can.

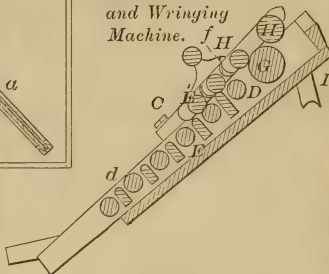
76919—J. H. Hulse—Frame for Stretching Pants.

76918—J. M. Howland—
Crotch
Needle.76918—G. B. Howland—
Gate Latch.

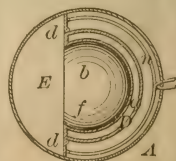
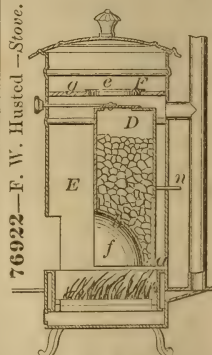
76920—H. Hunt—Gate.

76921—S. W. Huntington—
Lamp Shade.76924—G. W. Kintz—Washing
and Wringing
Machine.76925—C. Kirchhof—
Blast Gun.

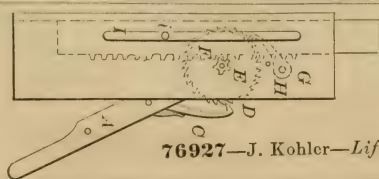
76923—R. Kerr—Fumigator.

76924—G. W. Kintz—Washing
and Wringing
Machine.

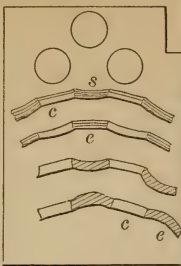
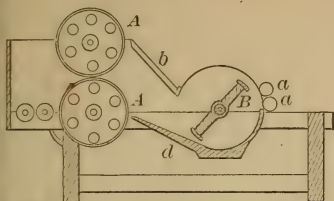
76922—F. W. Hustel—Stove.



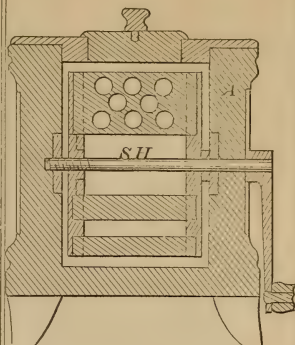
76927—J. Kohler—Lifting Jack.



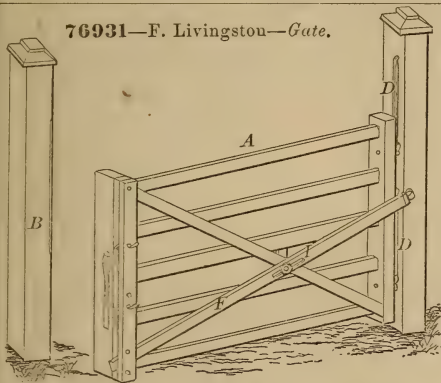
76926—R. Kitson—*Screen Cylinder for Cotton Pickers.*



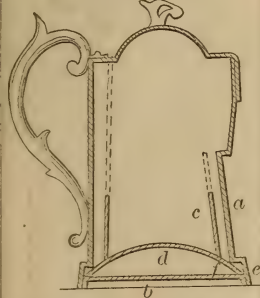
76928—J. Liebhaber—*Churn.*



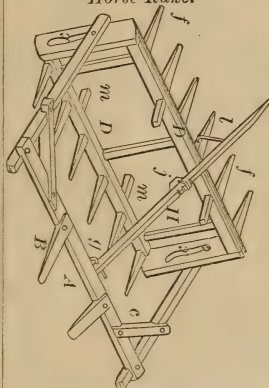
76931—F. Livingston—*Gate.*



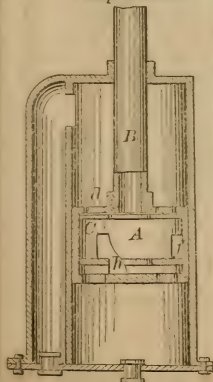
76934—F. J. Miller—*Ice Pitcher.*



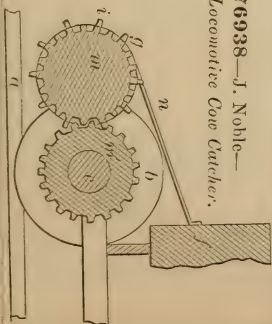
76932—S. P. Meeay—*Horse Rake.*



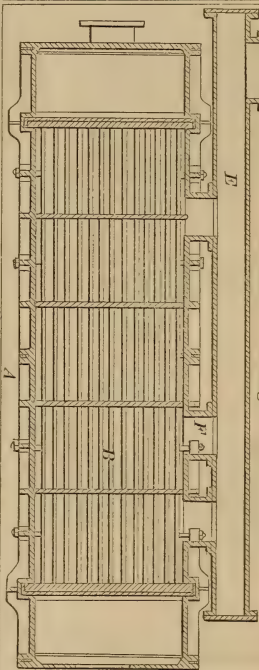
76933—F. P. Michel—*Pump Piston.*



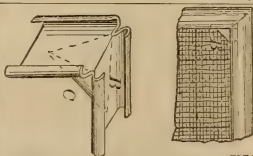
76938—J. Noble—*Locomotive Cow Catcher.*



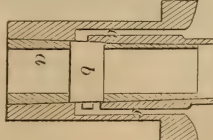
76929—W. A. Lighthall—*Condenser.*



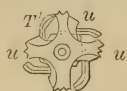
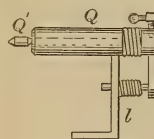
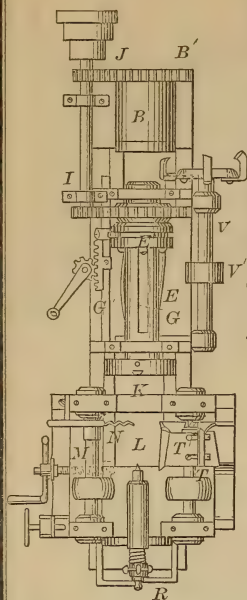
76930—C. F. Linscott—*Window Screen Frame.*



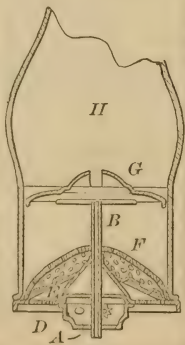
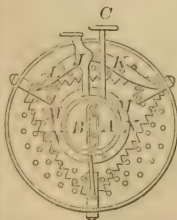
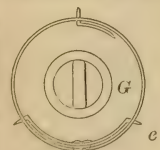
76937—G. H. Noble—*Bolster.*



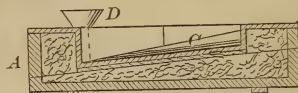
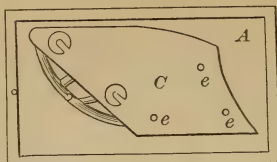
76936—J. H. Murrill—*For Cutting Bungas*



76945—F. S. Robinson—*Lamp Burner.*



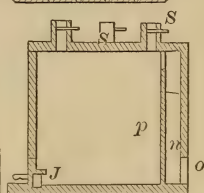
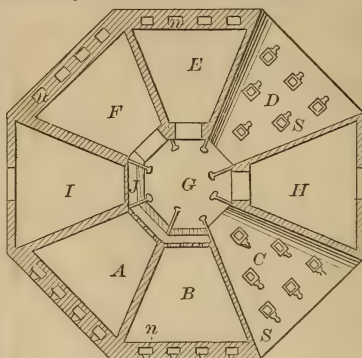
76939—J. Oliver—*Casting Mould Board.*



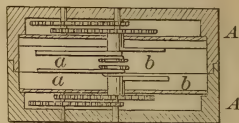
76941—G. H. Peacock—*Bag Fastener.* 



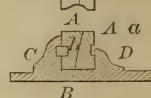
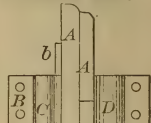
76946—R. Robson—*Brick Kiln.*



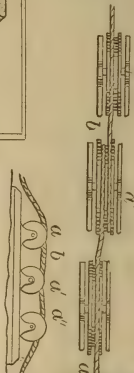
76940—
W. B. O. Peabody—
Scoring Games.



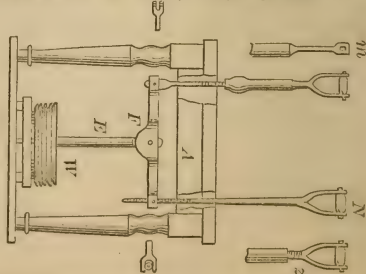
76942—
L. B. Prindle—
Railroad Rail.



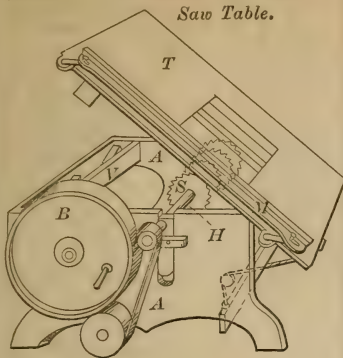
76943—Quincy & Fisher—Operating
a
Ferry Boats.



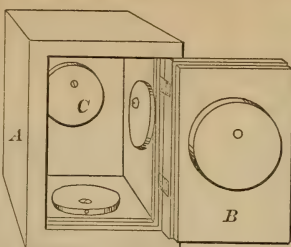
76944—F. W. Reilly—*Lifting Apparatus.*



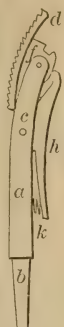
76947—G. H. Sanborn—*Circular Saw Table.*



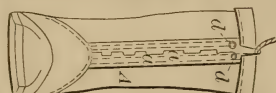
76948—R. S. Sanborn—*Safe.*



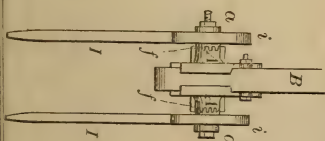
76949—D. B. Sanderson—*Peg Cutter.*



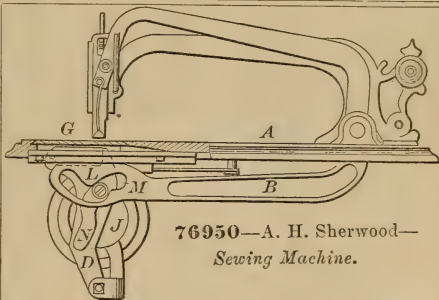
77063—H. B. Marshall—*Boot & Shoe.*



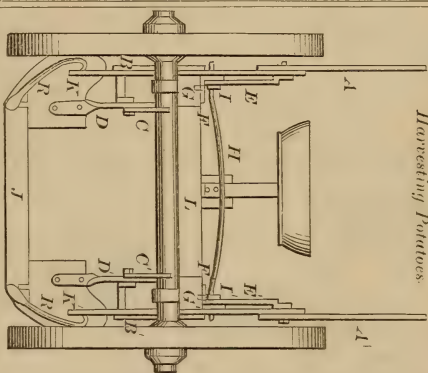
76952—G. A. Squier—*Teeth for Hay Spreaders.*



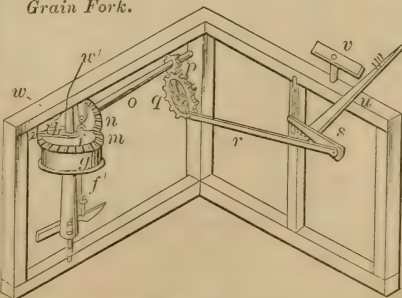
76950—A. H. Sherwood—*Sewing Machine.*



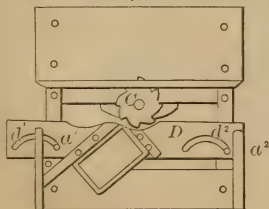
76953—O. S. & T. C. St. John—*For Harvesting Potatoes.*



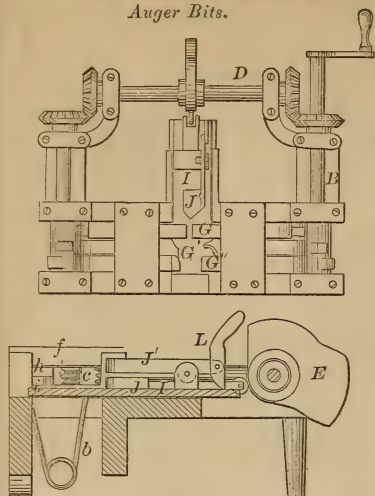
76954—H. Strickler—*Hay Hoisting Drum and Grain Fork.*



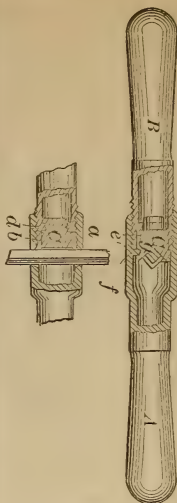
76951—E. Snyder—*For Rounding the Corners of Slate Frames.*



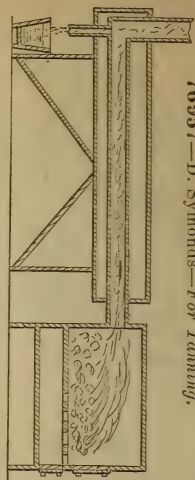
76955—J. Swan—*For Making Auger Bits.*



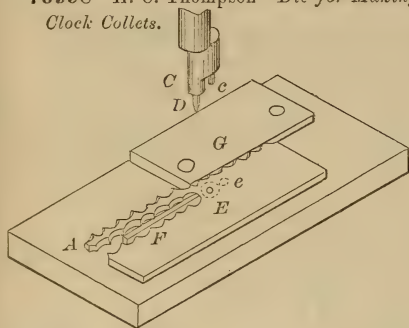
76956—J. Swan—*Auger Handle.*



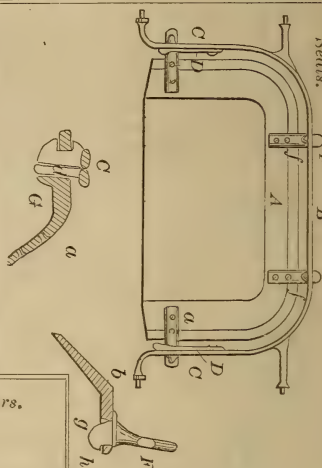
76957—D. Symonds—*For Tanning.*



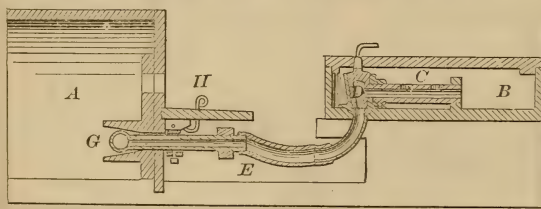
76958—H. O. Thompson—*Die for Making Clock Collets.*



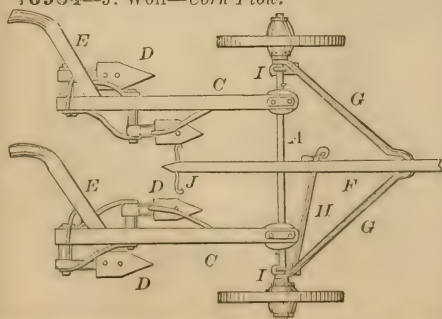
76959—S. Toomey—*Shifting Rail for Carriage Seats.*



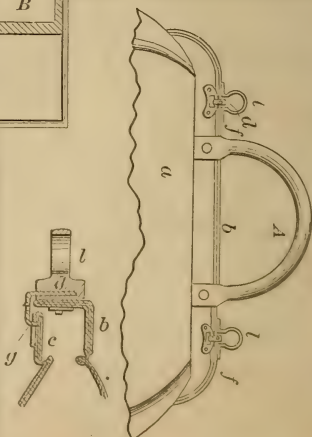
76961—C. Webster—*Feed Water Heater for Boilers.*



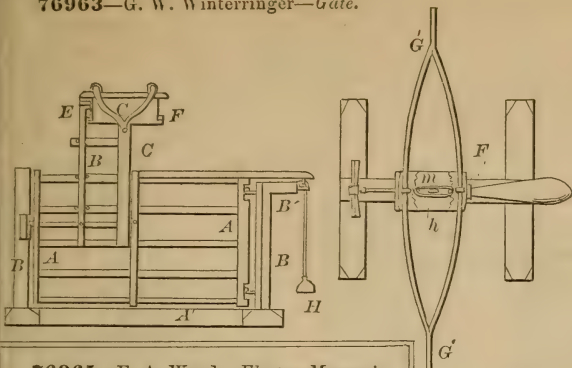
76964—J. Wolf—*Corn Plow.*



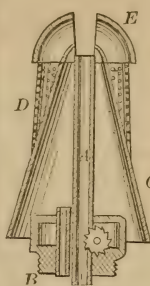
76962—C. A. Wellington—*Travelling Bag.*



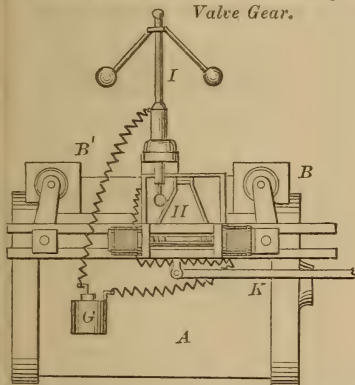
76963—G. W. Winterringer—Gate.



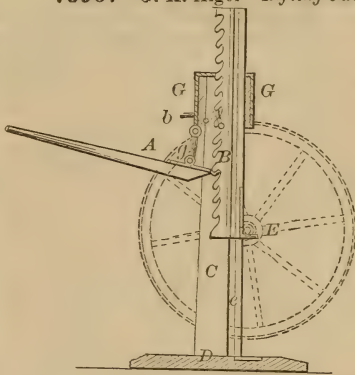
76966—Ackerman, Campbell & Golden—Lamp Burner.



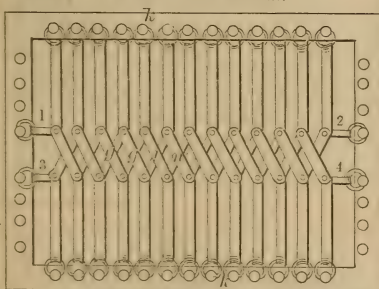
76965—E. A. Wood—Electro-Magnetic Valve Gear.



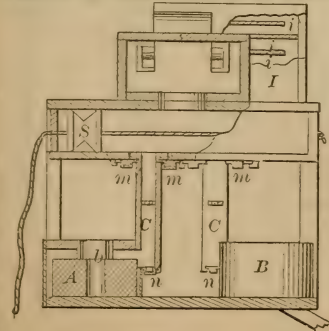
76967—G. H. Alger—Lifting Jack.



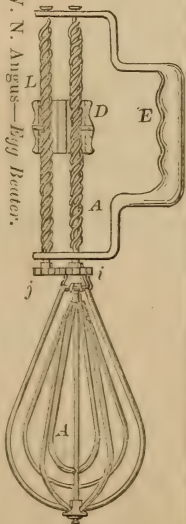
76968—J. Allen—Bed Bottom.



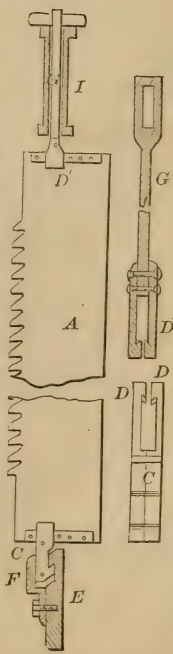
76972—D. Baird—Mill Stone Exhaust



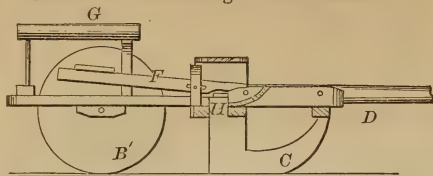
76970—W. N. Angus—Egg Beater.



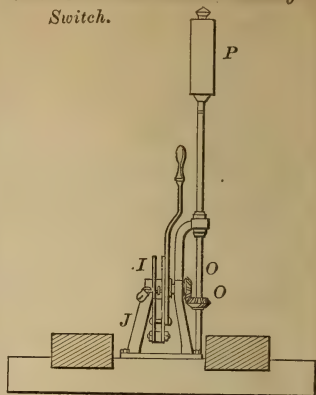
76969—E. Andrews—For Hanging Reciprocating Saws.



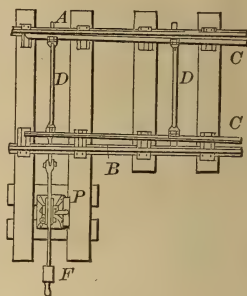
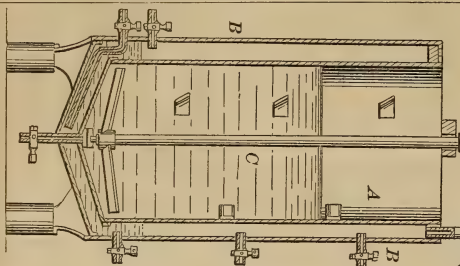
76971—A. Armstrong—Corn Planter.



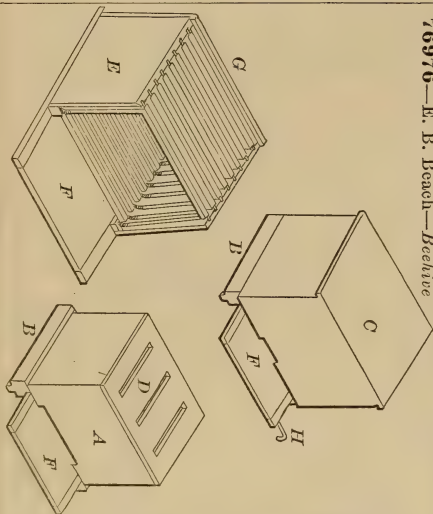
76973—A. F. Ballas—Railway Switch.



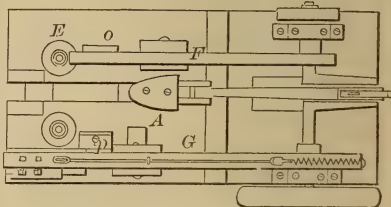
76974—R. C. Barton—Oil and Fat Purifier.



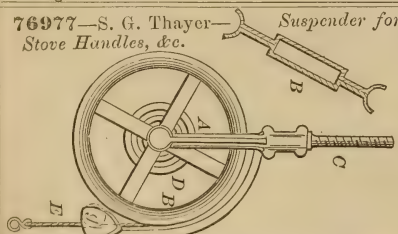
76976—E. B. Beach—Beehive



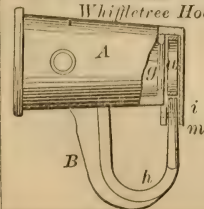
76975—Batchelder & Woods—Horse Shoe Machine.



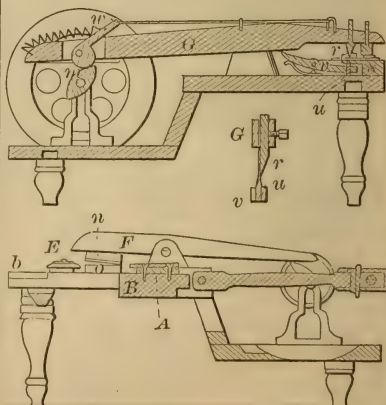
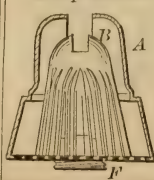
76977—S. G. Thayer—Suspender for Stove Handles, &c.



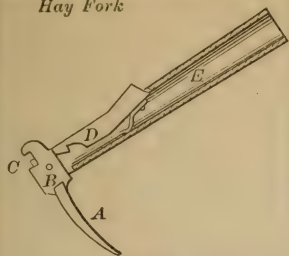
76978—F. W. Beckwith—Whiffletree Hook.



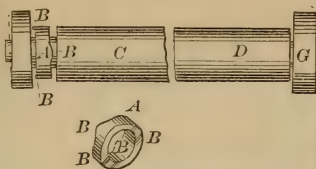
76979—G. A. Beidler—Lamp Burner.



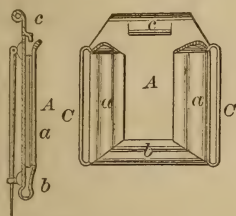
76980—Bemendefer & Finch—
Hay Fork



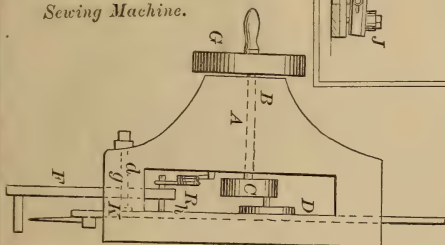
76983—B. Boardman—
For Turning Nuts.



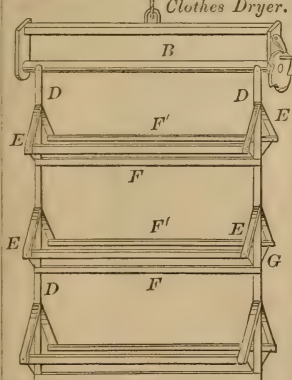
76987—S. M. & H. J. Brown—
Ticket Holder.



76986—C. E. Brown—
Sewing Machine.



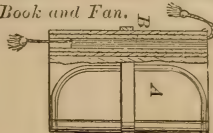
76990—D. M. Buckley—
Clothes Dryer.



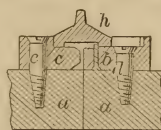
76995—J. Christy—Nut
Fastener.



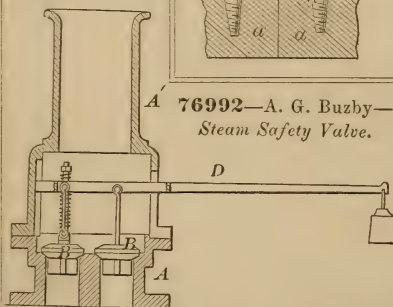
76988—O. Bruck—Pocket
Book and Fan.



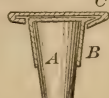
76981—W. H. Betts—
Window Sash Lock.



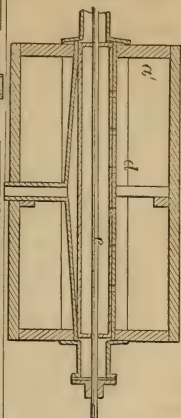
76992—A. G. Buzby—
Steam Safety Valve.



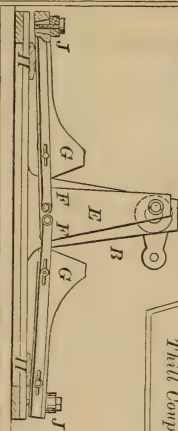
76994—S. & S. C. Cary—
Bottle Stopper.



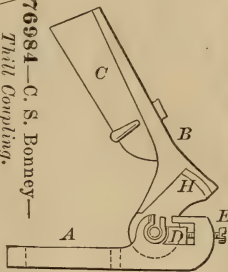
76982—S. W. Bevans—Feather Dressing Machine.



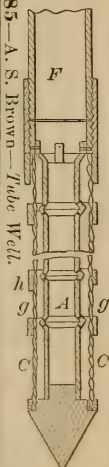
76989—A. Buchanan—
Quartz Crusher.



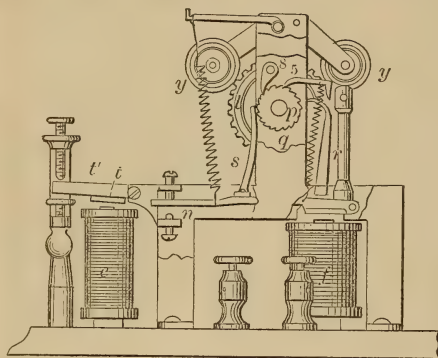
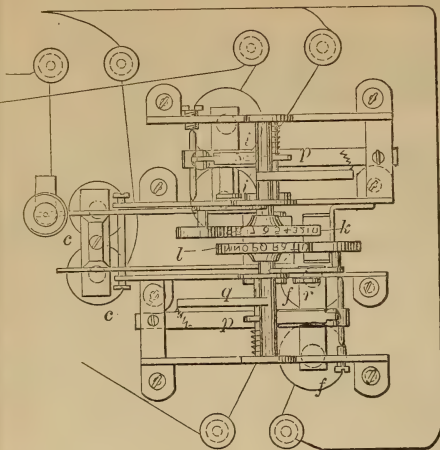
76984—C. S. Bonney—
Twill Coupling.



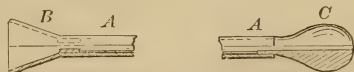
76985—A. S. Brown—Tube Well.



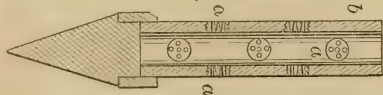
76993—E. A. Calahan—Printing Telegraph.



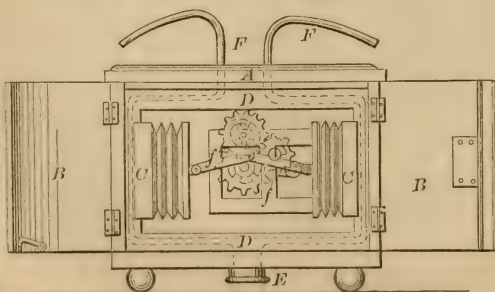
76998—G. Clump—For Relieving Choked Animals.



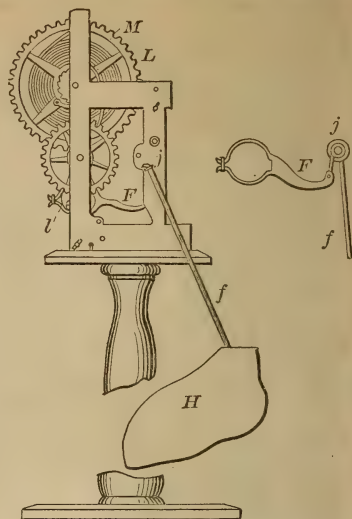
77000—C. H. Celby—Tube Well.



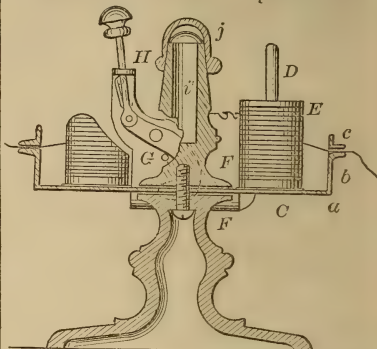
77003—W. O. Crawford—Ventilator.



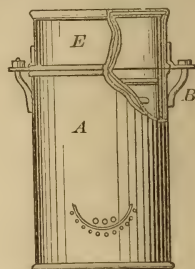
76996—E. J. Clark—Fly Brush and Fan.



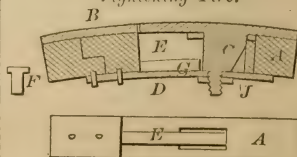
76997—N. P. Clarke—Spool Stand.



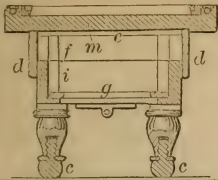
76999—A. E. Cobb—Beehive.



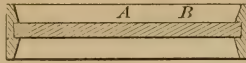
77002—S. W. Corbin—Tightening Tire.



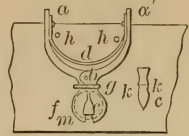
77001—H. W. Collender—*Billiard and Dining Table.*



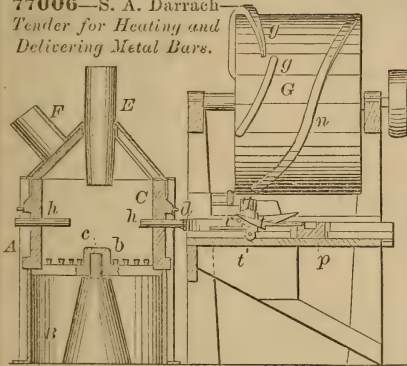
77004—Q. C. Culley—*Cheese Turning Cover.*



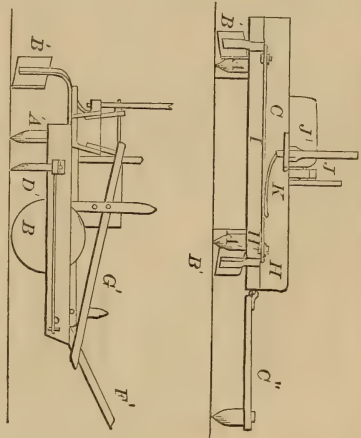
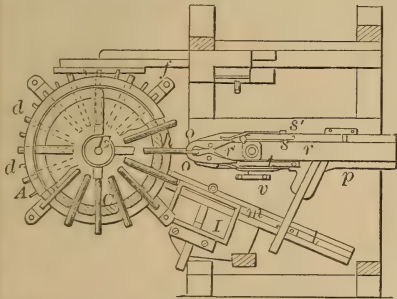
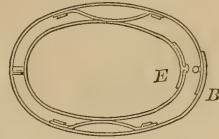
77005—A. Cutter—*Shutter Fastening.*



77006—S. A. Darrach—*Tender for Heating and Delivering Metal Bars.*

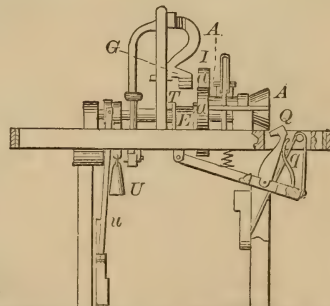
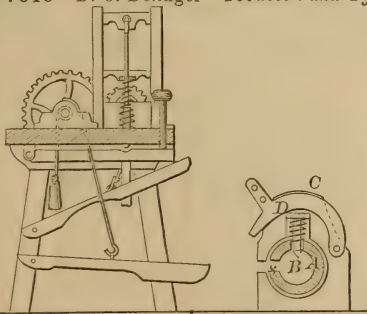


77007—G. Deas—*Hat Ventilator.*

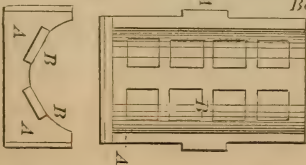


77009—C. Deis—*Seedling Machine.*

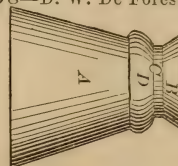
77010—D. C. Delinger—*Tobacco hand Tying Machine.*



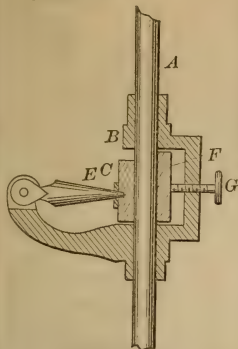
77012—P. S. Devlan—*Material for Journal Boxes.*



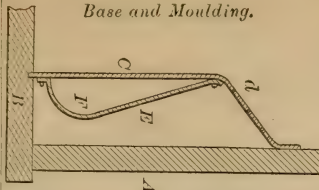
77008—D. W. De Forest—*Mucilage Bottle.*



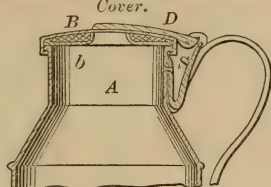
77019—J. H. Everts—*Extension Picture for Chandeliers.*



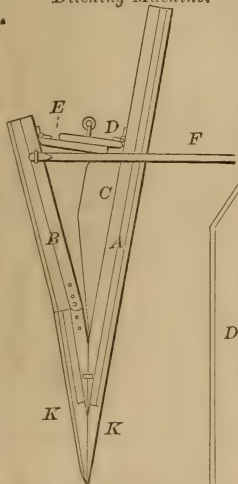
77022—C. E. Finkle—*Metallic Base and Moulding.*



77020—J. Fandel—*Milk Can Cover.*



77024—E. L. Foreman—*Ditching Machine.*



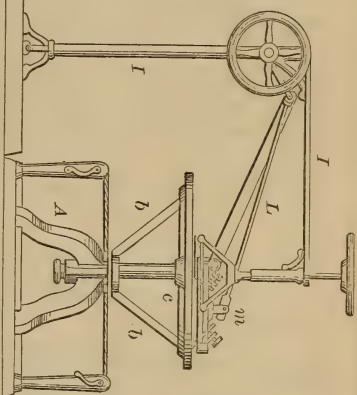
77028—H. Ganney—*Watch Key.*



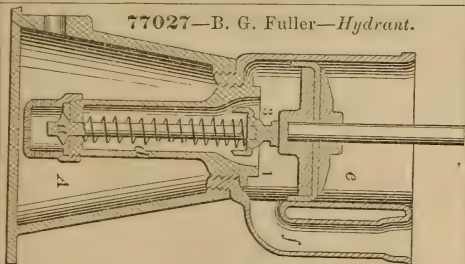
77026—J. D. Fry—*Tuble Fork.*



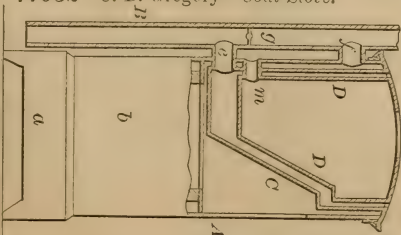
77025—L. B. Fox—*Finishing Leather.*



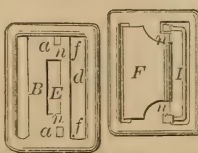
77027—B. G. Fuller—*Hydrant.*



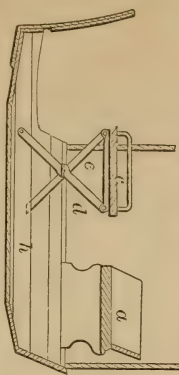
77032—C. B. Gregory—*Coal Store.*



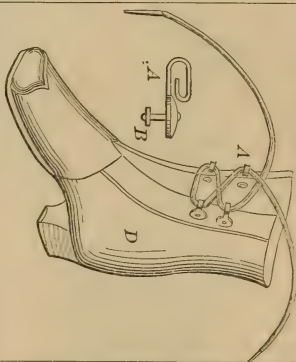
77033—H. C. Griggs—*Buckle.*

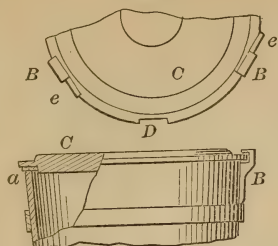
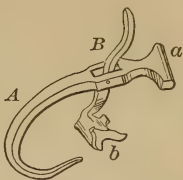
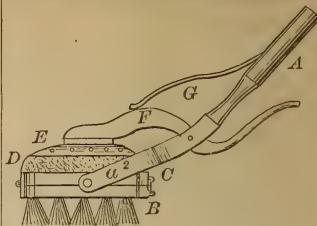
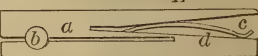
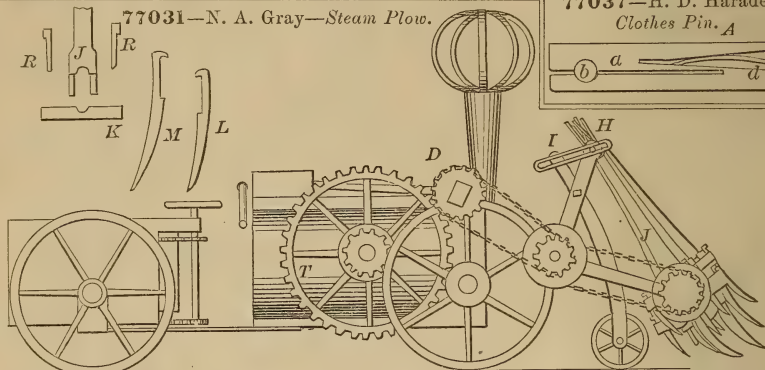
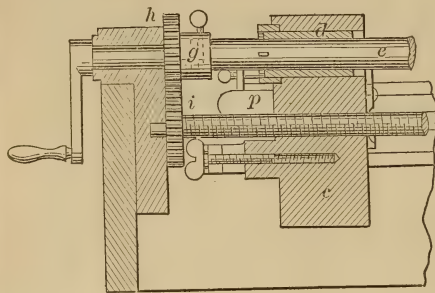
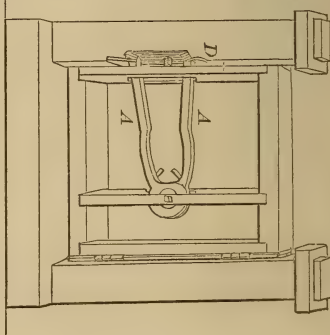
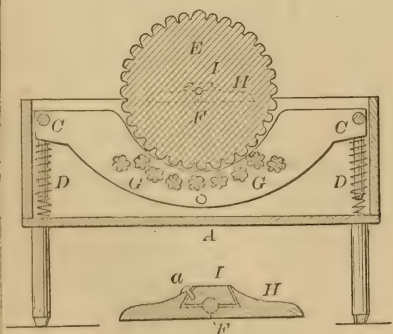
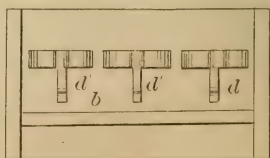


77023—Forbes & Sears—*Carriage Seat.*

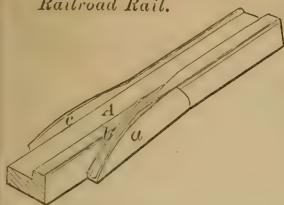


77029—D. A. Gilbert—*Shoe Lacer.*

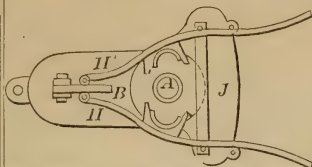


77030—D. A. Gilbert—*Butter Tub.*77034—Gruger & Makinson—*Cord Holder.*77035—V. A. Hacker—*Scrubber.*77037—H. D. Haraden—*Clothes Pin, A*77031—N. A. Gray—*Steam Plow.*77036—J. Hale—*For Bending Wood.*77040—C. C. Holcomb—*Gate and Door Latch.*77041—Hood & Kelly—*Washing Machine.*77038—A. Hartupce—*Grate Bar.*

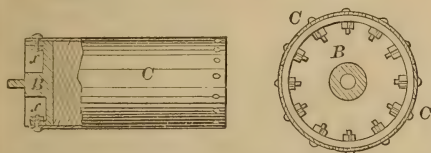
77039—J. H. Herman—*Railroad Rail.*



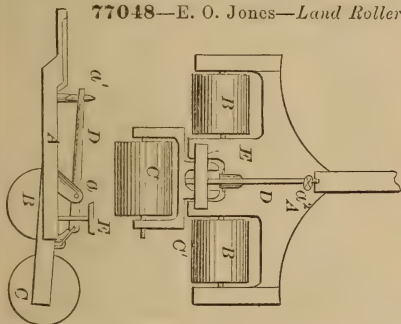
77042—Hue & Roziere—*Moulding Design.*



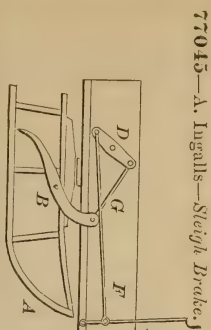
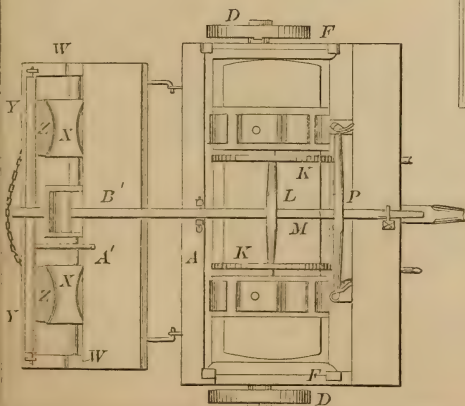
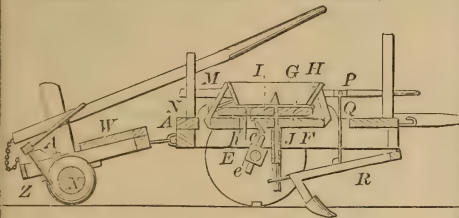
77044—E. F. Hutchinson—*Land Roller.*



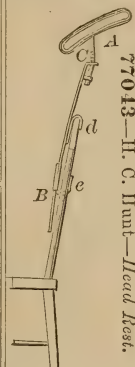
77048—E. O. Jones—*Land Roller.*



77050—D. A. Kershner—*Corn Planter.*

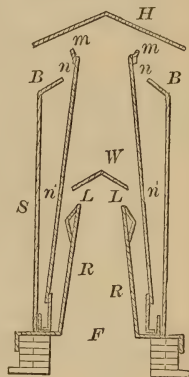


77045—A. Ingalls—*Sleigh Brake.*

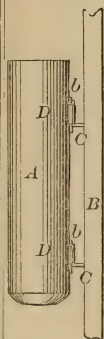


77043—H. C. Hunt—*Lead Rest.*

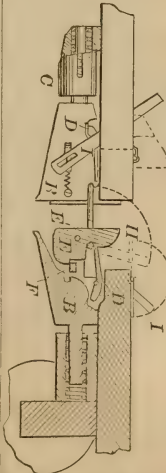
77047—D. F. Jauss—*Chimney Cowl.*

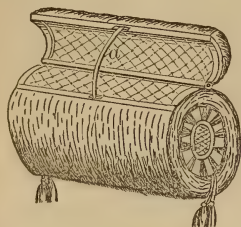
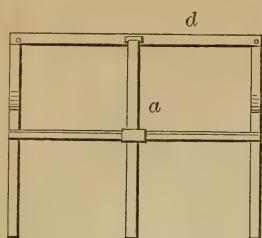
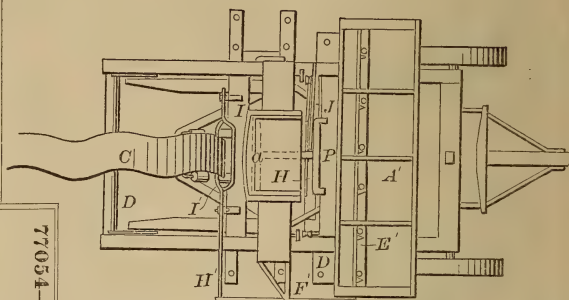
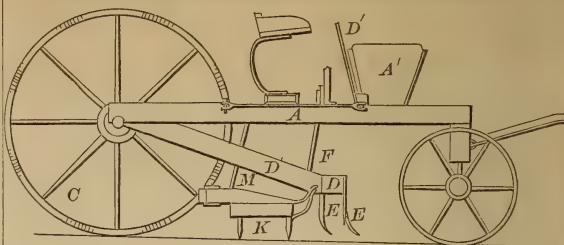
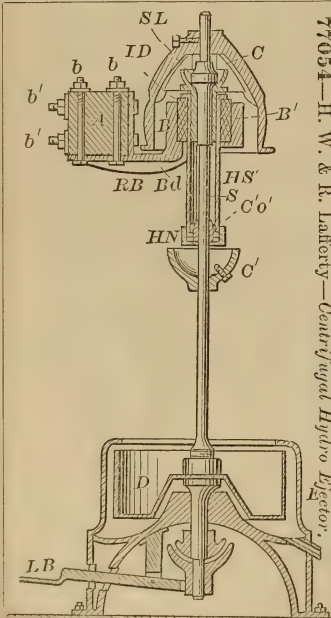
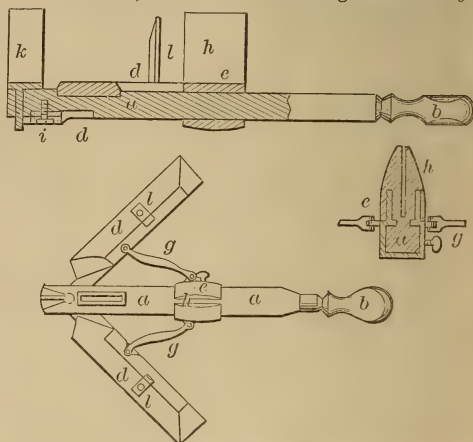
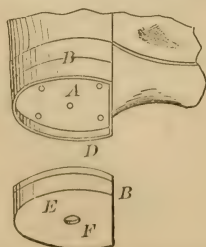
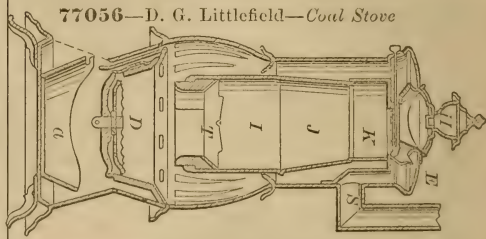


77049—J. W. Kelley—*Attaching Whip Sockets.*

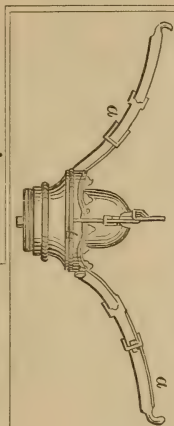
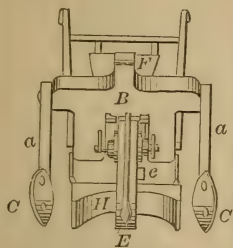
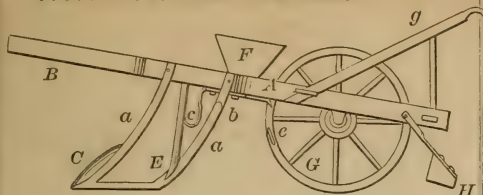


77046—E. H. Janney—*Car Coupling.*

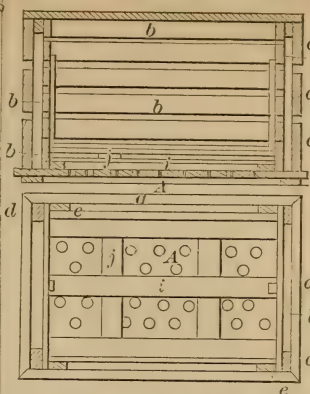


77051—M. A. King—*Muff*.77052—D. Kint—*Seeder, Cultivator and Harrow*.77054—H. W. & R. Laferrière—*Centrifugal Hydro-Ejector*.77053—La Baw, Hutchinson & Fleming—*Mitre Gauge*.77055—G. Lane—*Boot Heel*.77056—D. G. Littlefield—*Coal Stove*.77062—W. Maginn—*Pencil Case*.

77057—H. C. Locke—Corn Planter.

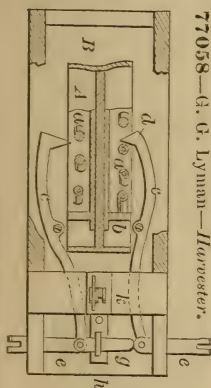
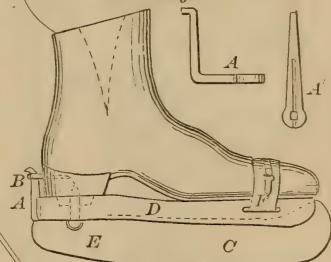


77059—J. W. Lyon—Lamp Shade Supporter.



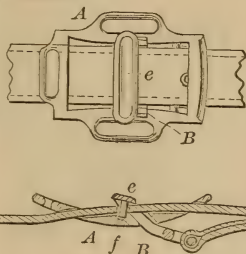
77060—T. Mahbott Sr.—Fruit Crate.

77061—Maedd & Wolff—Skate Fastening.

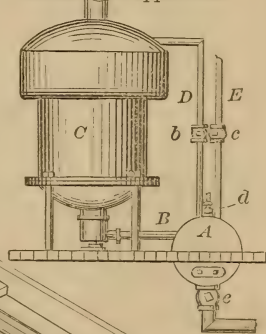


77058—G. G. Lynn—Harvester.

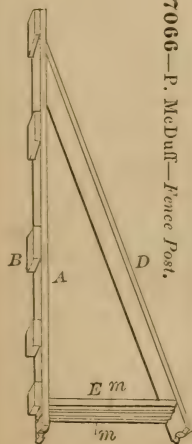
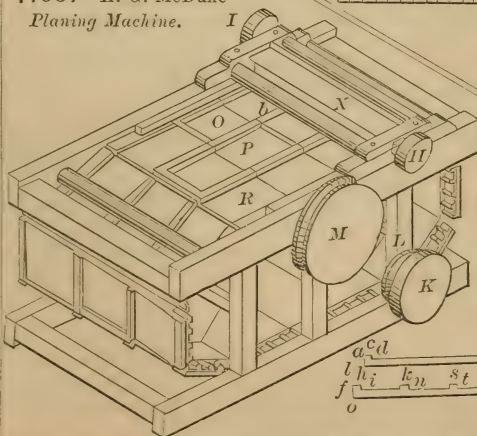
77064—J. A. Mashmeyer—Buckle.



77065—F. O. Matthiessen—Vacuum Pan Apparatus.

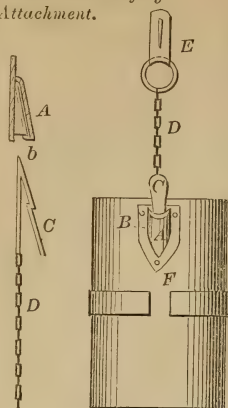


77067—H. G. McDuffe—Planing Machine.

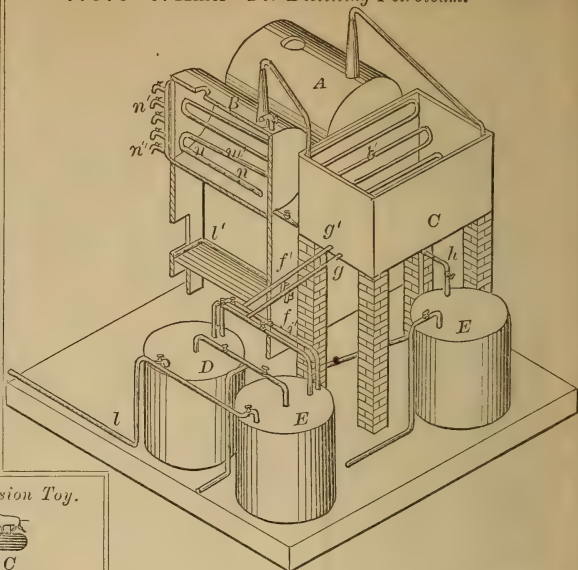


77066—P. McDuffe—Fence Post.

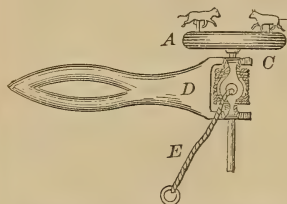
77068—A. McNeill—*Pocket Book Safety Attachment.*



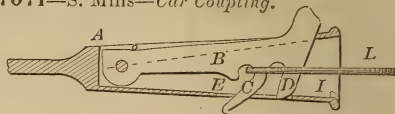
77070—J. Miller—*For Distilling Petroleum.*



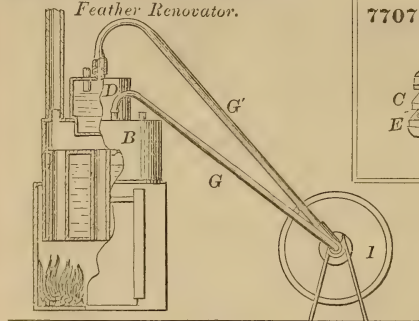
77072—J. A. Minor—*Illusion Toy.*



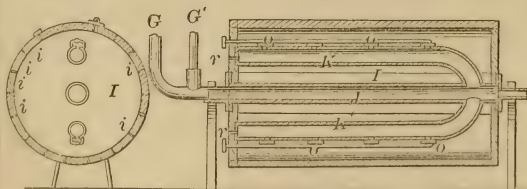
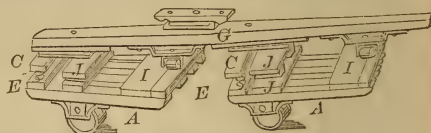
77071—S. Mills—*Car Coupling.*



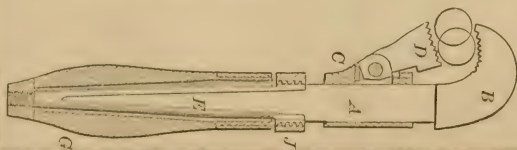
77073—Moorehead & Elliott—*Feather Renovator.*



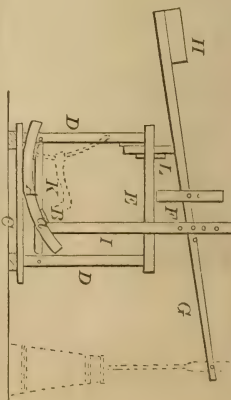
77074—C. H. Moore—*Moving Buildings.*



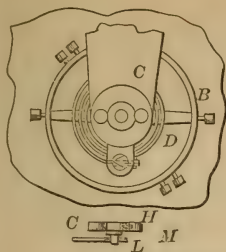
77076—I. Morse—*Wrench*



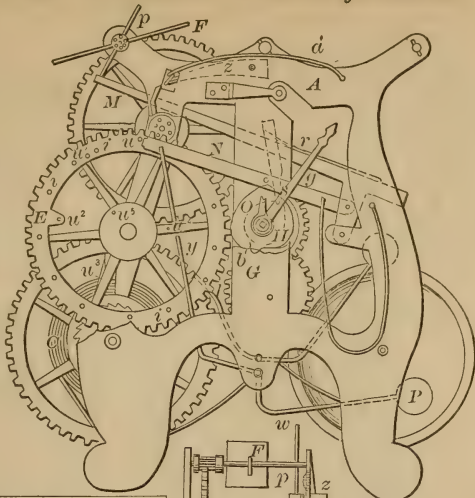
77077—I. Morse—*For Operating Churns, &c.*



77078—C. S. Moseley—Watch.

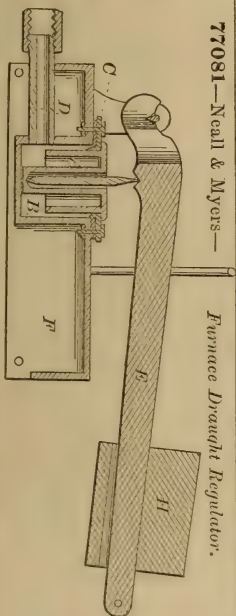


77080—N. E. Mulford—Clock Striking Attachment.

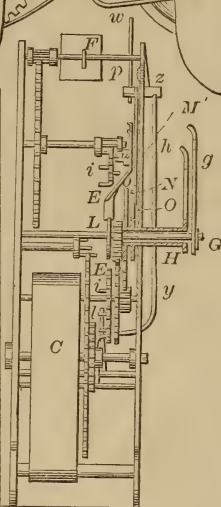
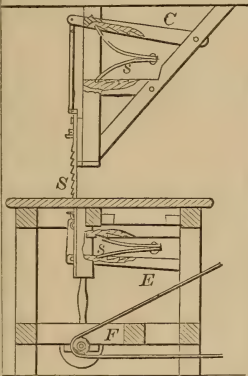


77081—Neill & Myers—

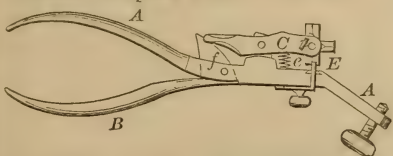
Furnace Draught Regulator.



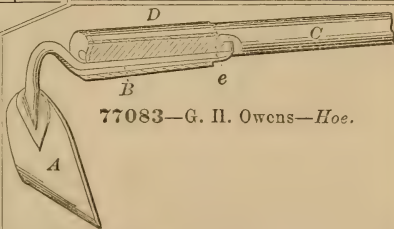
77079—J. W. Moyer—
Saw Mill.



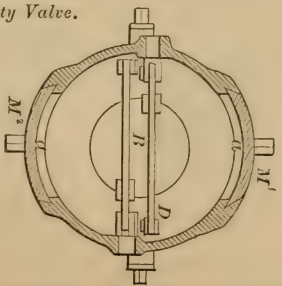
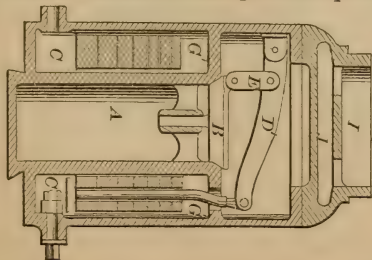
77082—Noepel & Assman—Saw Set.

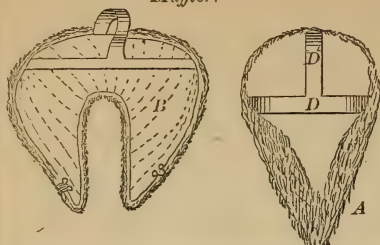
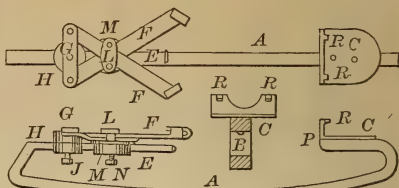
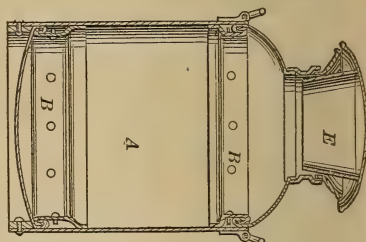
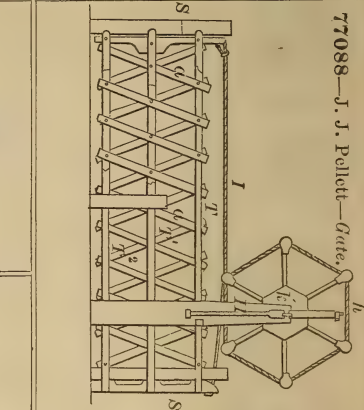
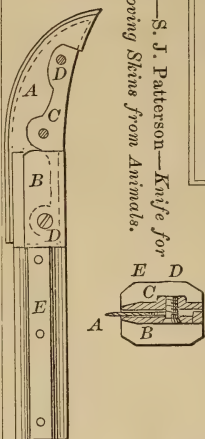
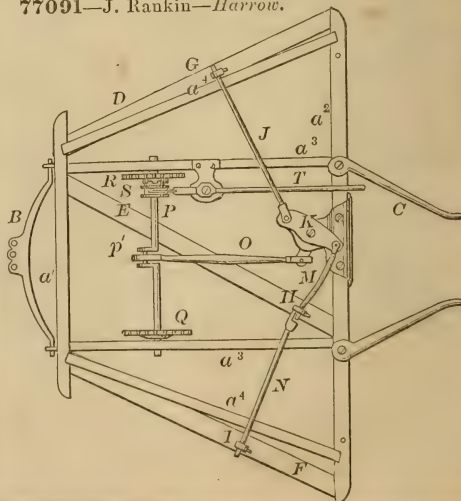
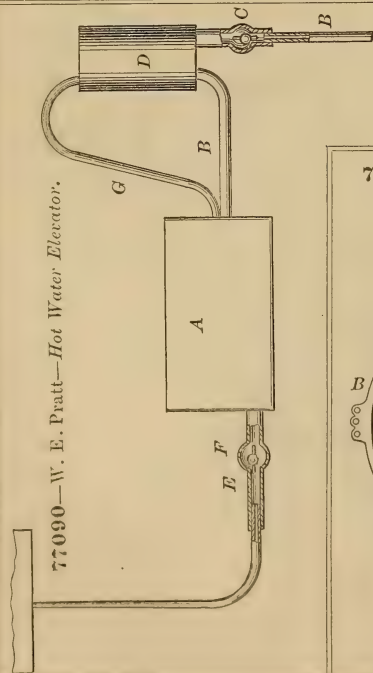


77083—G. H. Owens—Hoe.

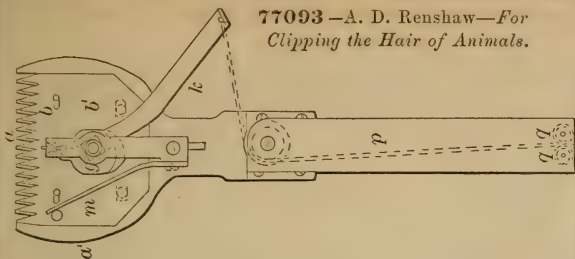


77084—Packard & Hastings—Lock-up Safety Valve.

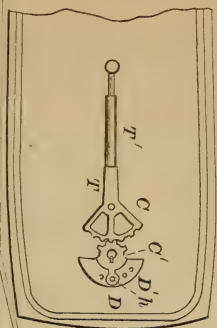
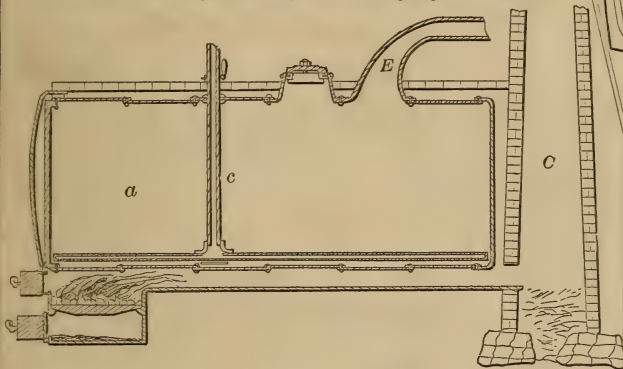


77085—G. W. & W. F. Parker—*Fur Muffler.*77089—R. Pohl—*Skate.*77092—C. A. Reight—*Milk Can.*77086—S. J. Patterson—*Knife for Removing Skins from Animals.*77088—J. J. Pellett—*Gate.*77091—J. Rankin—*Harrow.*77090—W. E. Pratt—*Hot Water Elevator.*

77093—A. D. Renshaw—*For Clipping the Hair of Animals.*

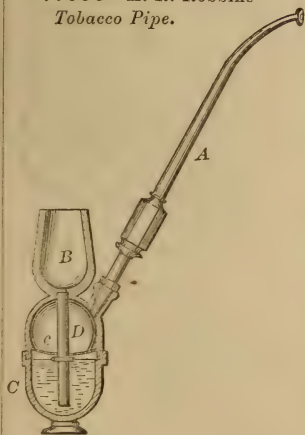


77094—C. W. Requa—*Still for Distilling Hydro-Carbons.*

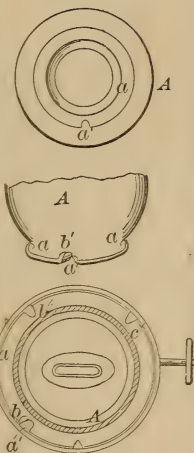


77095—C. T. Ridcent—*Rudder Gear*

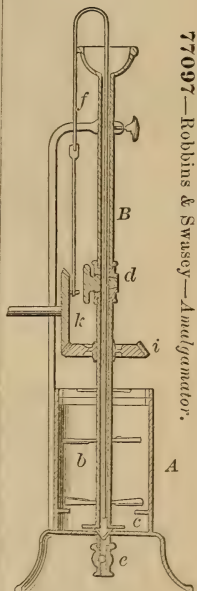
77096—H. R. Robbins—*Tobacco Pipe.*



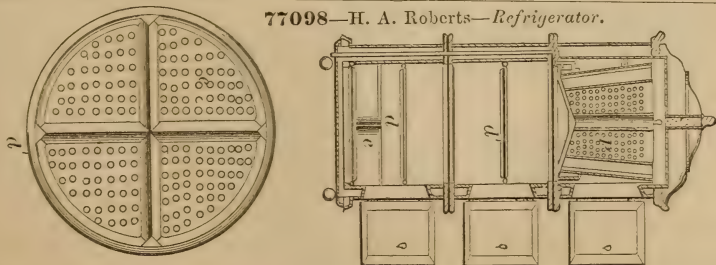
77100—J. Robinson—*Lamp Chimney.*



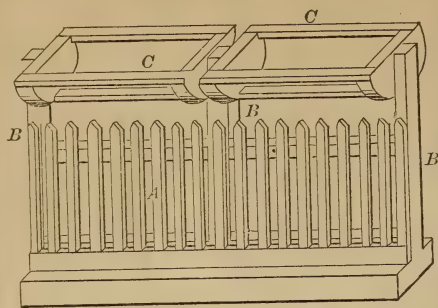
77097—Robbins & Swasey—*Amalgamator.*



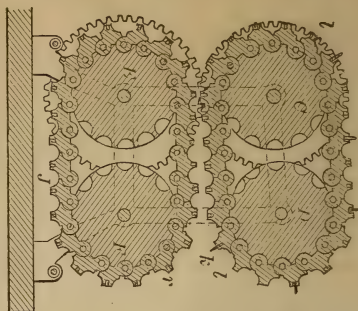
77098—H. A. Roberts—*Refrigerator.*



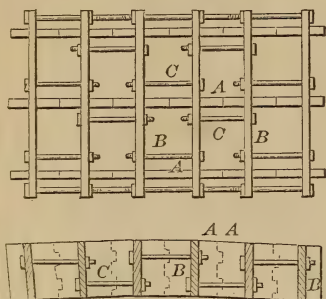
77101—H. W. Rutt—Poultry Yard Fence.



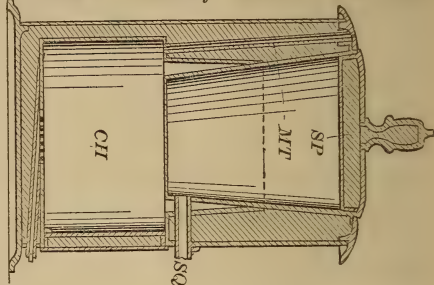
77102—C. E. Rymes—For Cutting Tobacco.



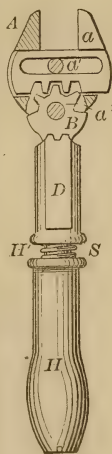
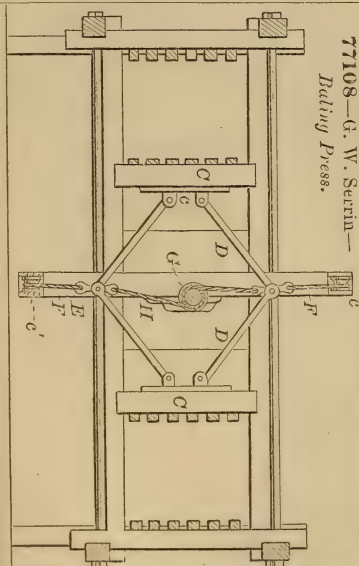
77103—J. Sanderson—Bridge.



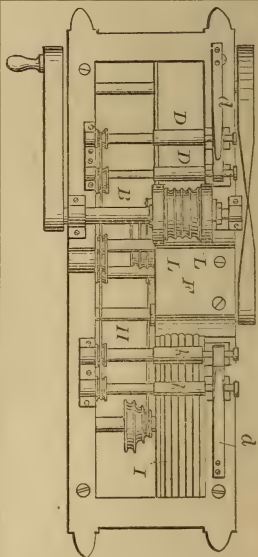
77106—C. C. Savery—Enamelled Water Cooler.



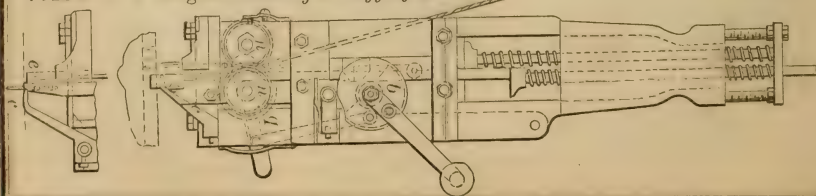
77107—T. A. Searle—Wrench.

77108—G. W. Serin—
Ruling Press.

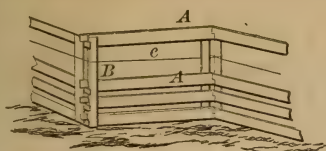
77105—D. R. Satterlee—For Manufacture of Slate Pencils.



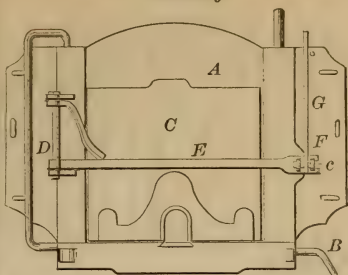
77104—J. F. Sargent—Nailing or Pegging Machine.



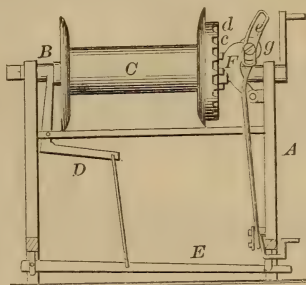
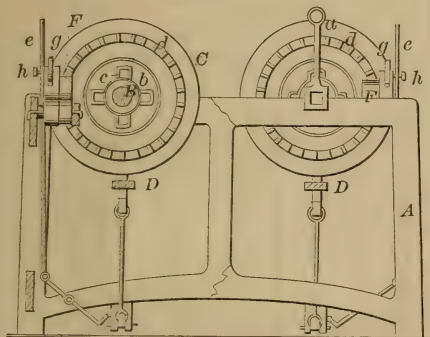
77109—N. L. Shaw—*Fence.*



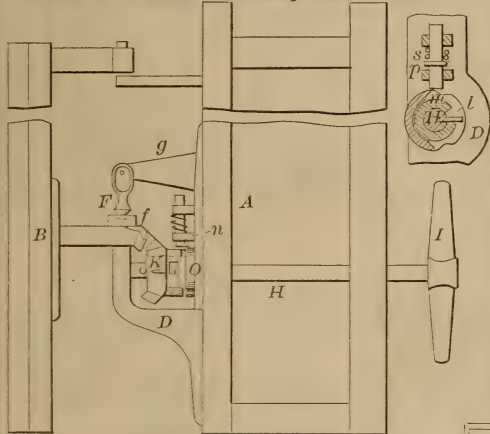
77112—P. E. Shaw—*Furnace Door Fastening.*



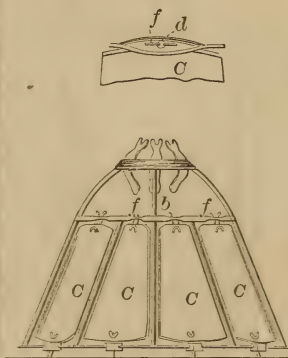
77110—S. S. Shaw—*Oyster Winder.*



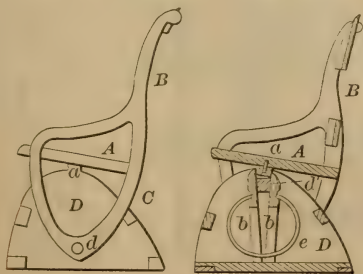
77114—T. J. Sloan—*Operating Window Shutter.*



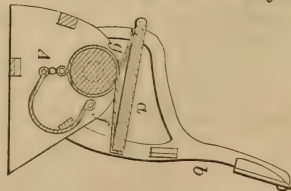
77115—A. A. Smith—*Lamp Shade.*



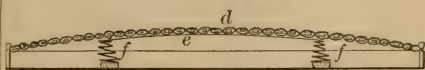
77117—C. D. Smith—*Tilting Chair*.



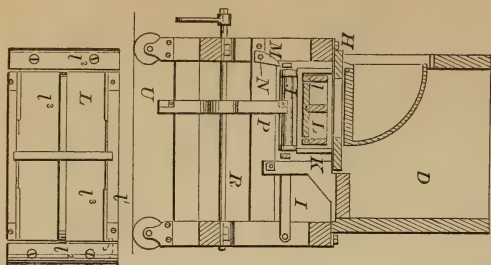
77116—C. D. Smith—*Tilting Chair*



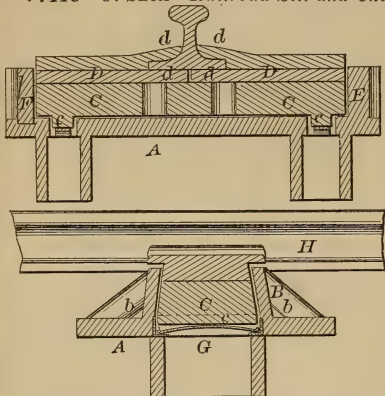
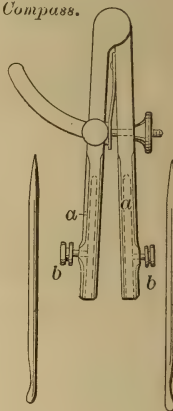
77113—P. P Simmons—*Bed Bottom.*



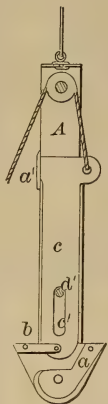
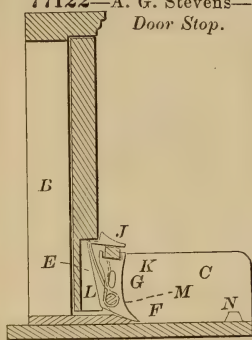
77118—Smith & Florence—Brick Machine.

77121—O. B. Steele—
Rule and Pocket Knife.

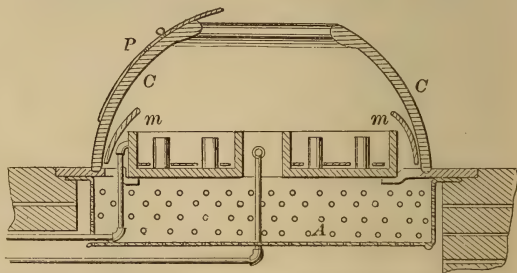
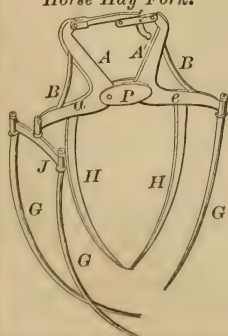
77119—J. Snell—Railroad Sill and Chair.

77123—H. Stewart—
Compass.

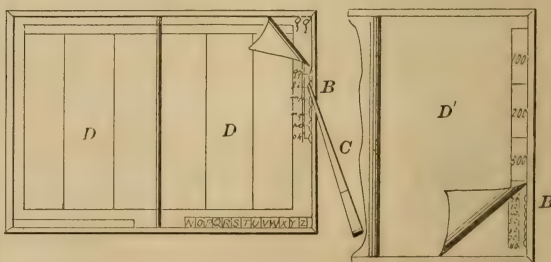
77120—N. Starr, Jr.—Horse Hay Fork.

77122—A. G. Stevens—
Door Stop.

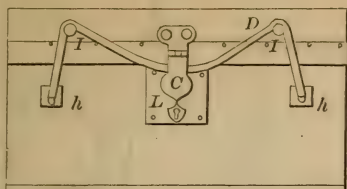
77124—F. T. Suhr—For Burning Hydro-Carbon.

77125—J. B. Sweetland—
Horse Hay Fork.

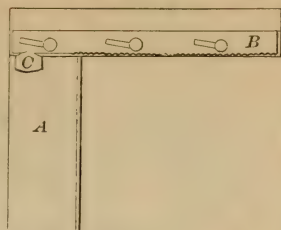
77126—J. H. Swindell—Indexing Book.



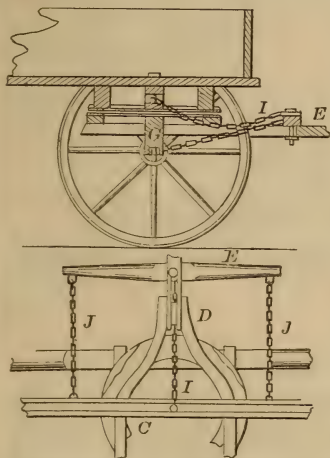
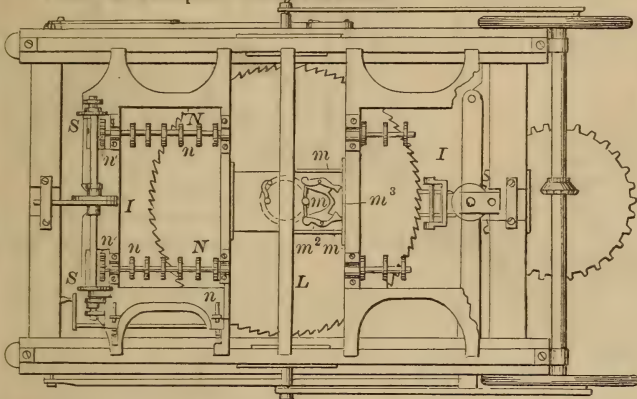
77127—C. A. Taylor—Trunk.



77130—E. J. Toof—Try Square.

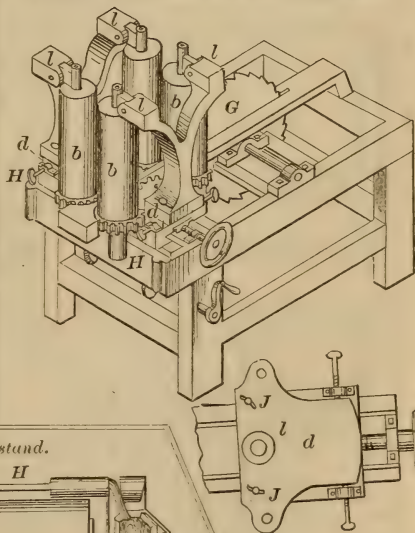


77128—A. Thompson—Shingle Machine.

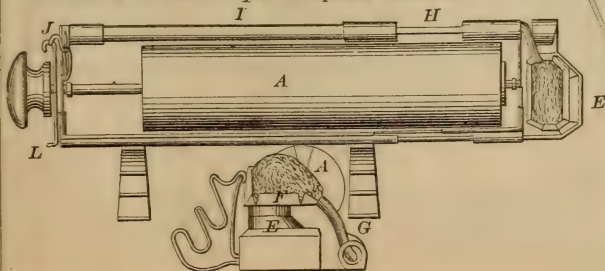


77132—I. & J. S. Van Pelt—Carriage Coupling.

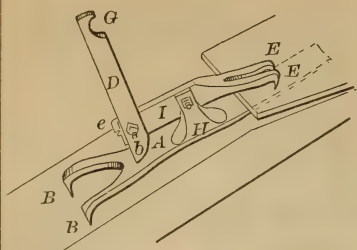
77129—Tompkins & Wright—Saw Mill.



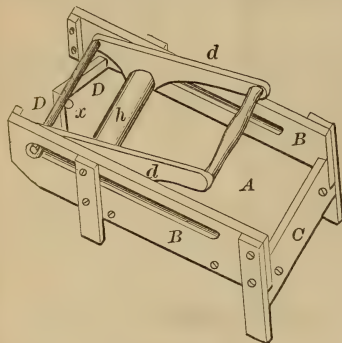
77131—E. J. Toof—Paper Clamp and Inkstand.



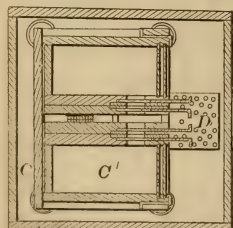
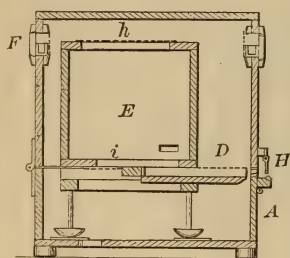
77133—S. D. Van Pelt—Scaffold Bracket.



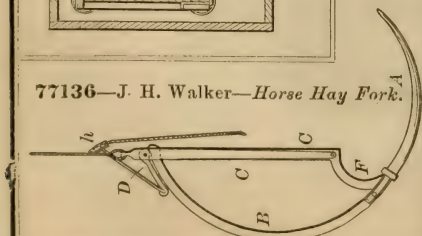
77135—E. P. Walker—Butter Worker.



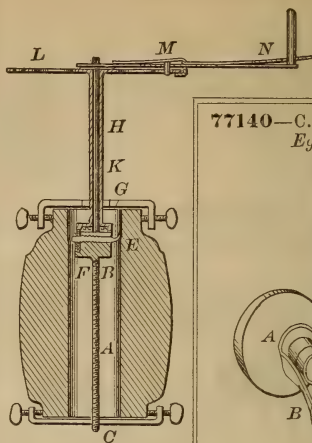
77139—J. Wash—Beehive.



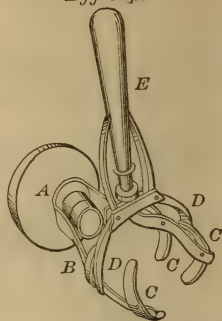
77136—J. H. Walker—Horse Hay Fork.



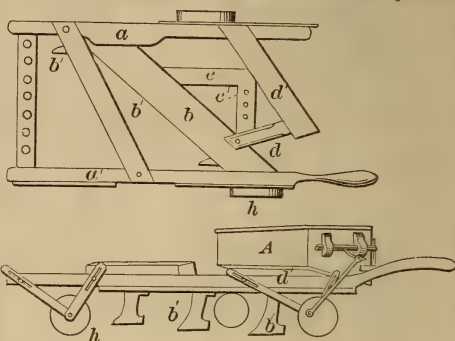
77137—J. W. Walters—For Boring Hubs.



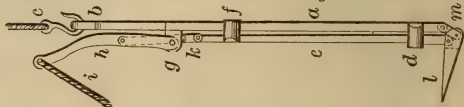
77140—C. D. P. Watters—Egg Cup.



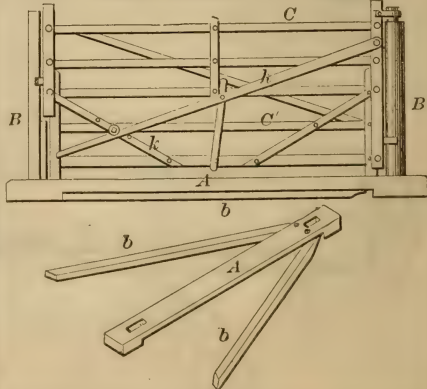
77141—J. B. Webster—Seed Sower and Gang Plow.



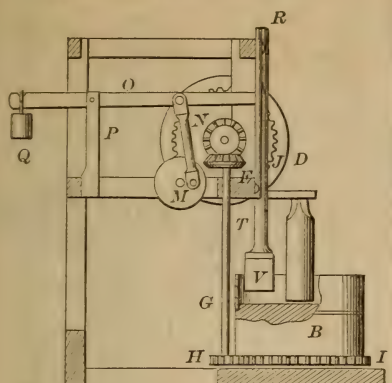
77134—E. L. Walker—Horse Hay Fork.



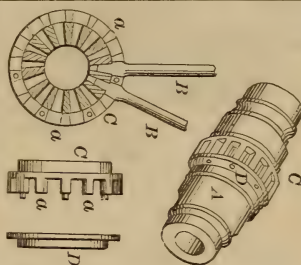
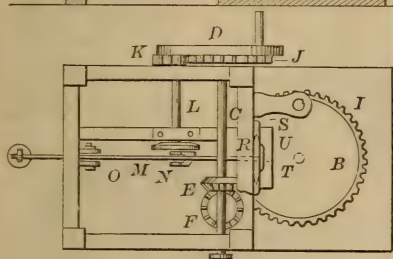
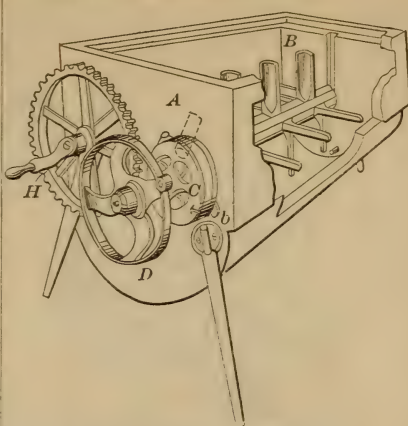
77142—Weirich & Smith—Farm Gate.



77143—C. Welte—Meat Cutter.

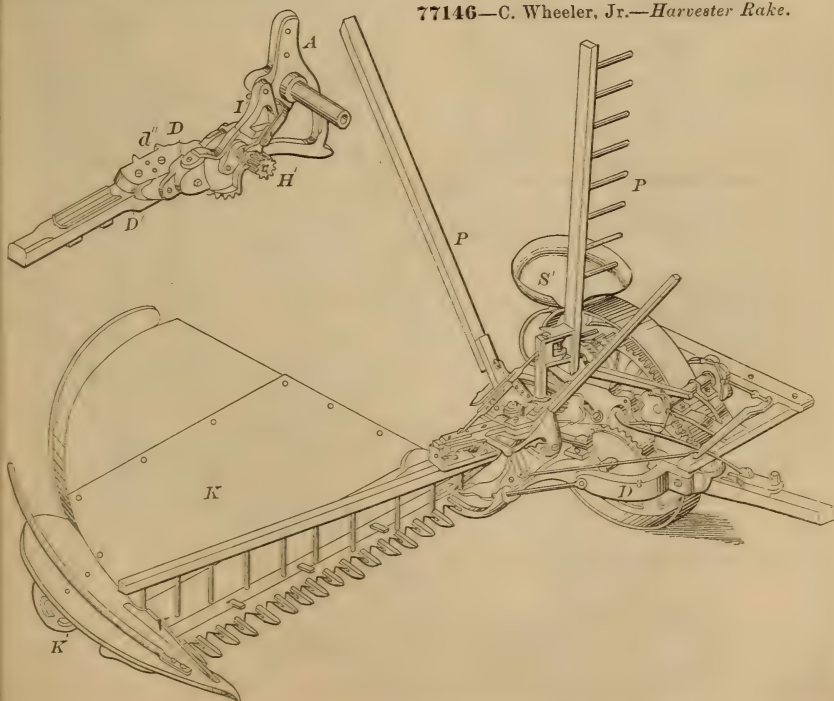


77144—A. Westcott—Churn.

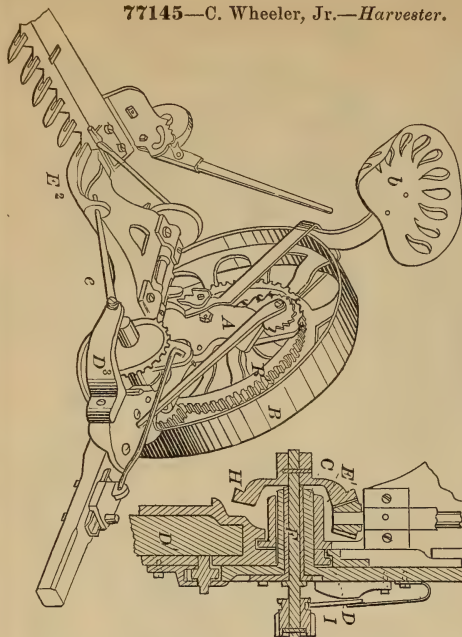


77147—M. Whelan—
Carriage Hub.

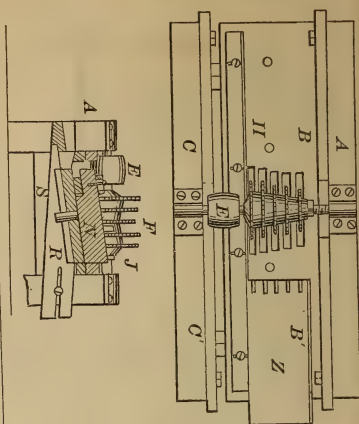
77146—C. Wheeler, Jr.—Harvester Rake.



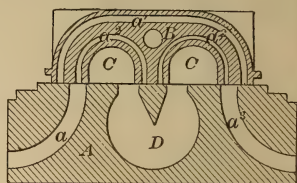
77145—C. Wheeler, Jr.—Harvester.



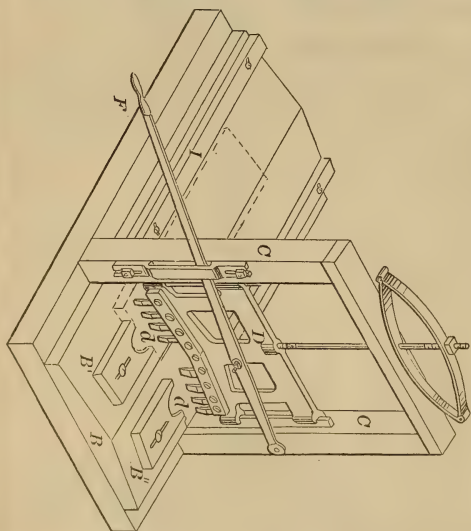
77148—T. D. White—Dovetail Machine.



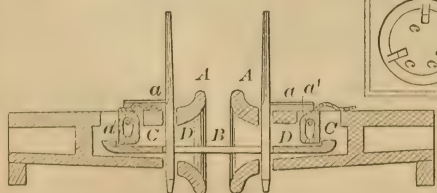
77152—W. Wilson—Slide Valve.



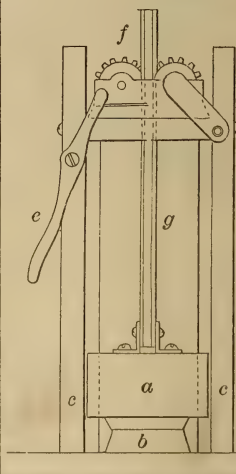
77149—T. D. White—For Making Dovetail Mortises.



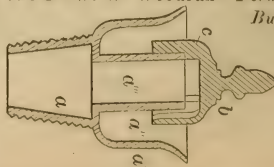
77150—Wickersham & Roush—Car Coupling.



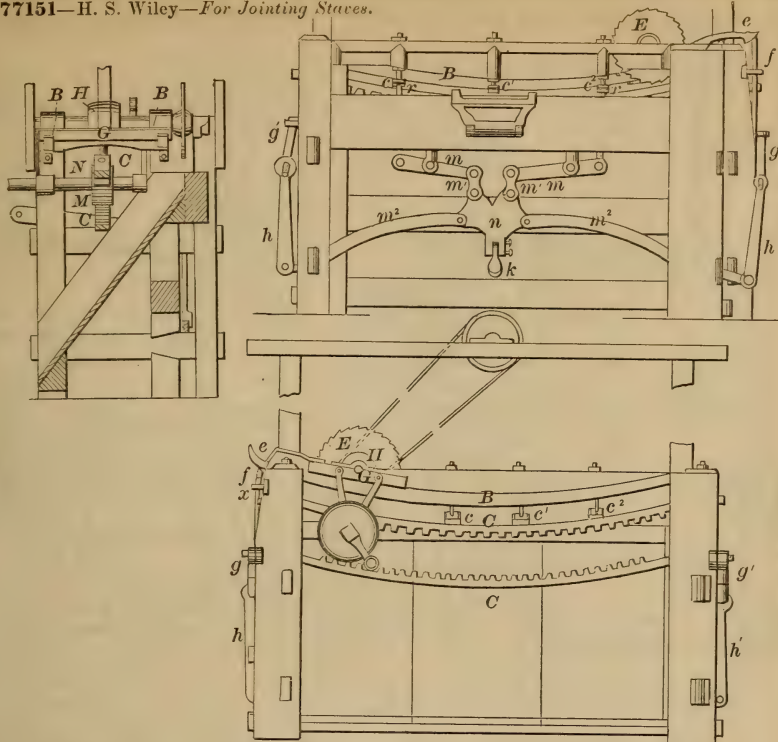
77155—J. Wool—Drop Hammer.



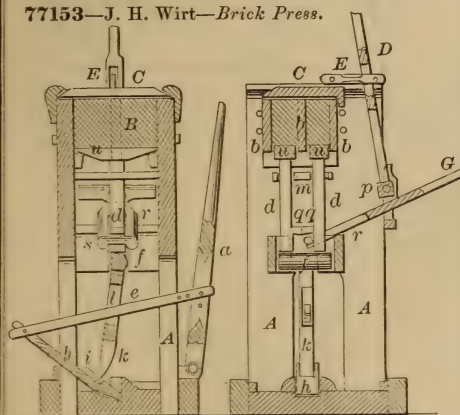
77154—W. W. Woodruff—Fermentation Bung.



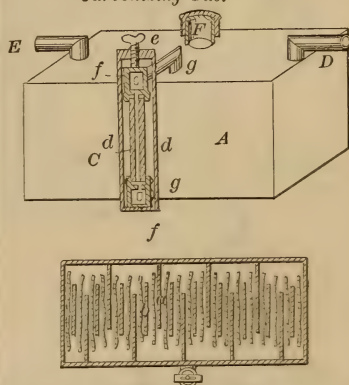
77151—H. S. Wiley—For Jointing Staves.



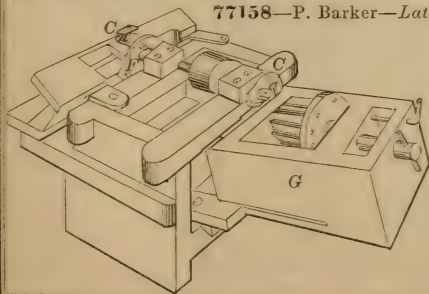
77153—J. H. Wirt—Brick Press.



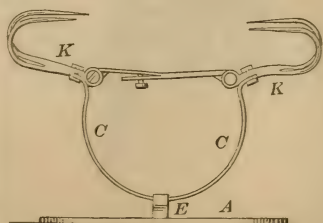
77156—W. H. Laubach—For Carbonizing Gas.



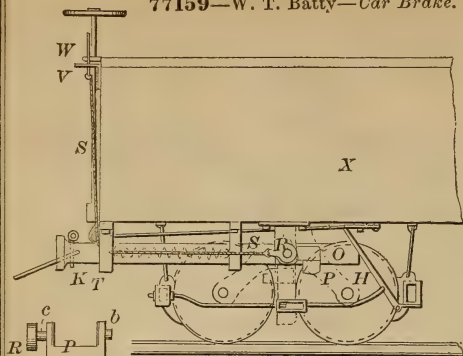
77158—P. Barker—Lathe.



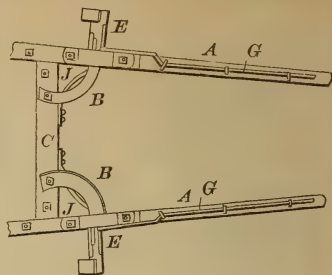
77157—A. J. Adams—Animal Trap.



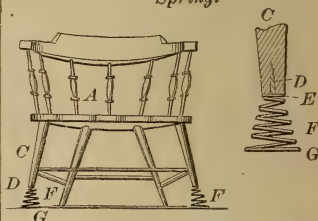
77159—W. T. Batty—Car Brake.



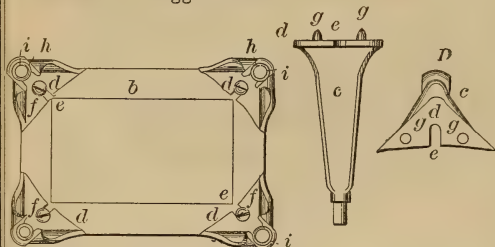
77162—J. A. Bower—Carriage Lock.



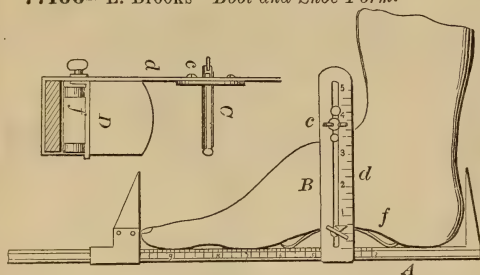
77161—A. M. Blake—Chair Spring.



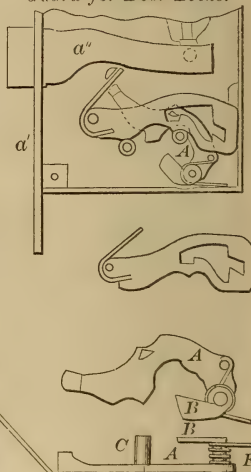
77164—J. Briggs—Piano Forte Stool.



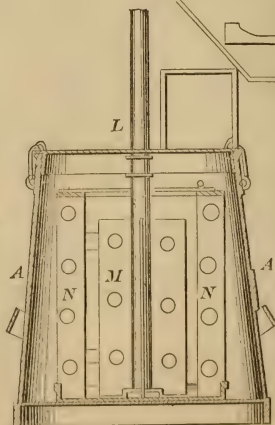
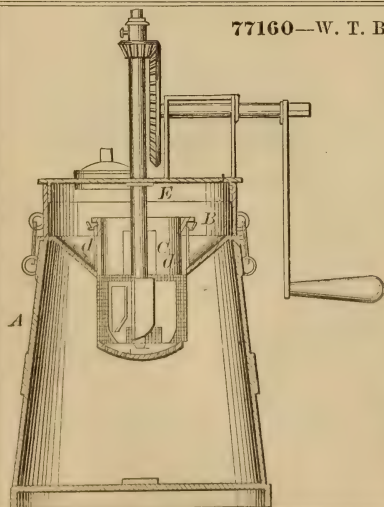
77166—L. Brooks—Boot and Shoe Form.



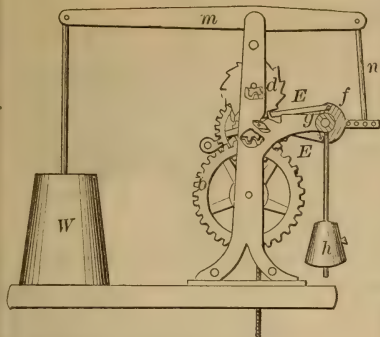
77165—A. T. Brooks—Key Hole Guard for Door Locks.



77160—W. T. Best—Churn.



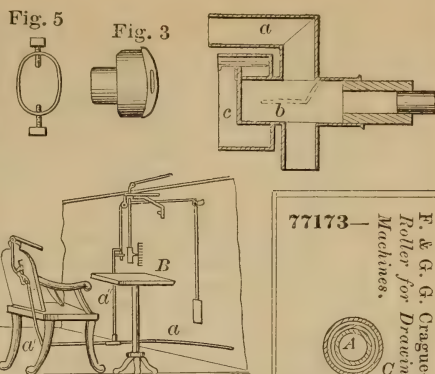
77167—C. P. Carter—*Mechanical Power.*



77168—W. Z. W. Chapman—*Inhaling Gas.*

Fig. 5

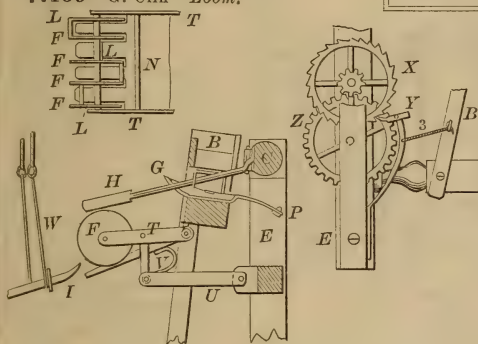
Fig. 3



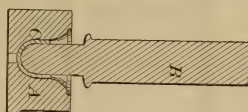
77173—*F. & G. G. Crague—Roller for Draining Machines.*



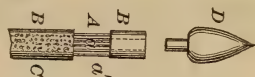
77169—G. Cliff—*Loom.*



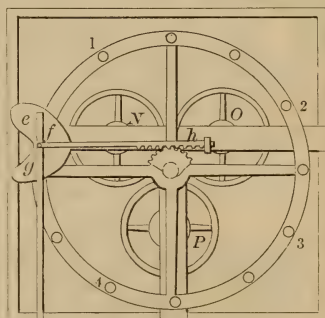
77170—J. H. Cole—*Ferrule Die.*



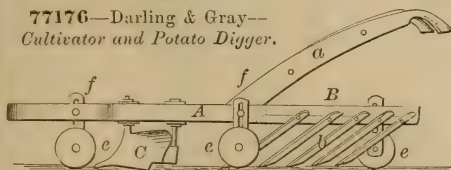
77171—T. B. Conklin—*Drive Well.*



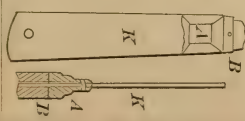
77172—Corbit, Orput & Case—*Churn.*



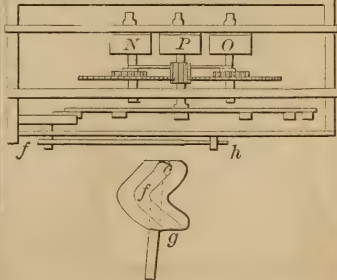
77176—Darling & Gray—*Cultivator and Potato Digger.*



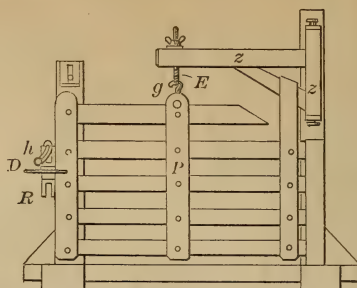
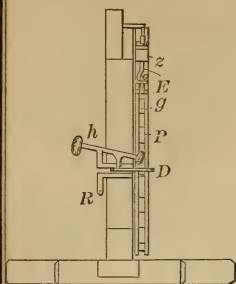
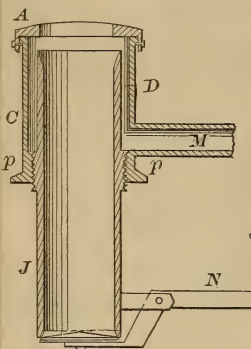
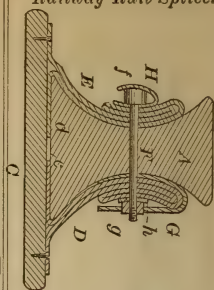
77175—R. E. Curtis—*Cutlery.*



77177—C. De Mass—*Rooping Buildings.*

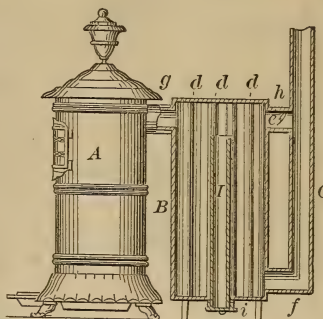
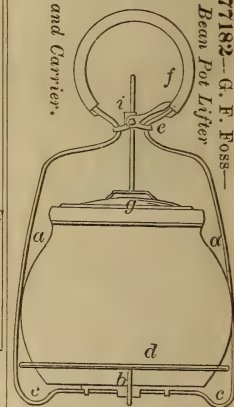
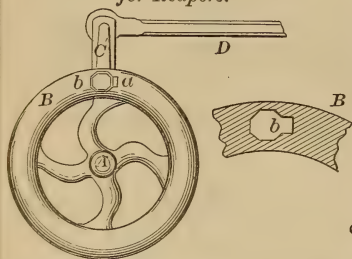
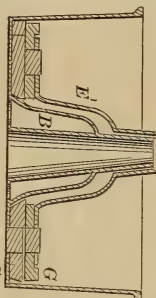


77174—J. Curtis—Farm Gate.

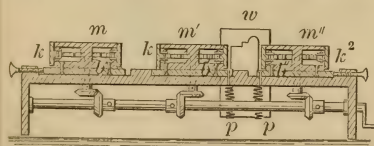
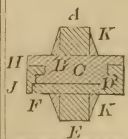
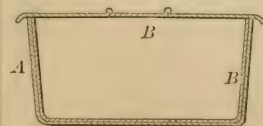
77180—R. Elliott—
Railway Rail Splice.

77178—L. Donnell—Tugere.

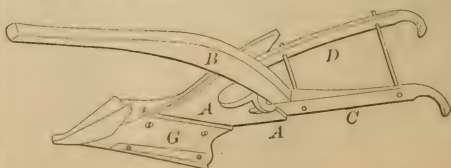
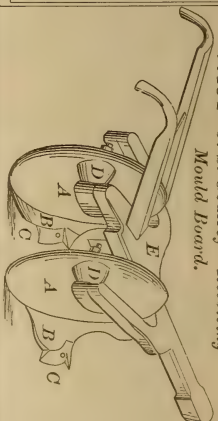
77179—N. Downes—Stove Drum.

77182—G. F. Foss—
Bean Pot Lifter
and Carrier.77181—J. H. Elward—Wrist Pin
for Reapers.77183—S. Fountain—
Amalgamator.

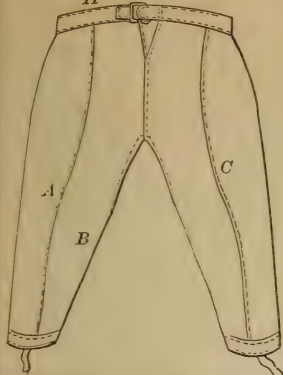
77187—H. R. Hall—Enameling Machine.

77185—Gray & Porter—
Attaching Axles to
Vehicles.77186—C. O. Greene—Preventing
Corrosion of Cast Iron Vessels.

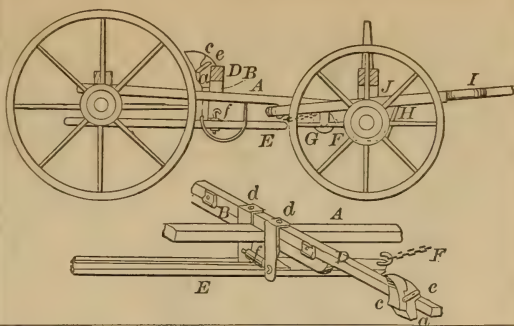
77188—J. S. Hall—Plow.

77184—J. S. Godfrey—Revolving
Mould Board.

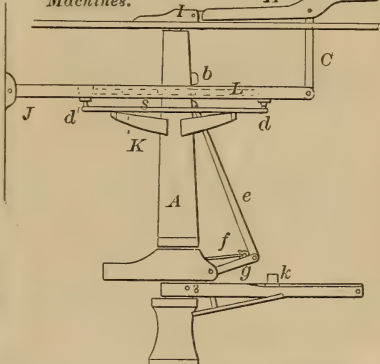
77189—H. Heath—Cloth Drawers.



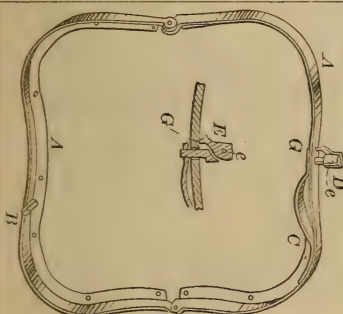
77190—S. S. Henderson—Wagon Brake.



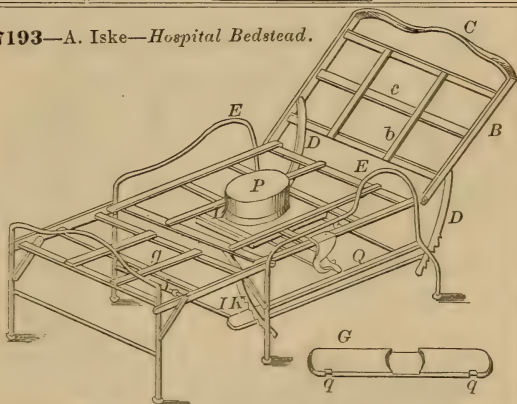
77191—C. S. Houck—Cavstan for Hoisting Machines.



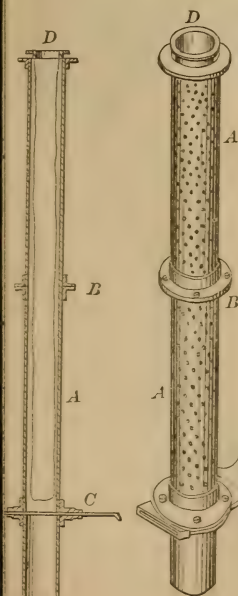
77192—J. C. Iden—Safety Pocket.



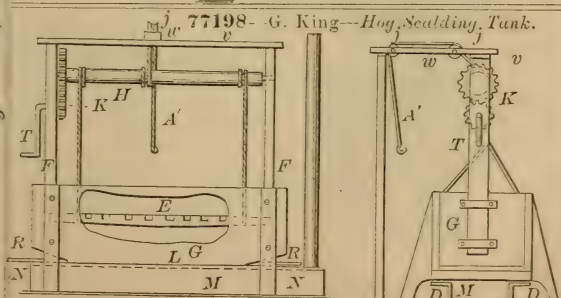
77193—A. Iske—Hospital Bedstead.

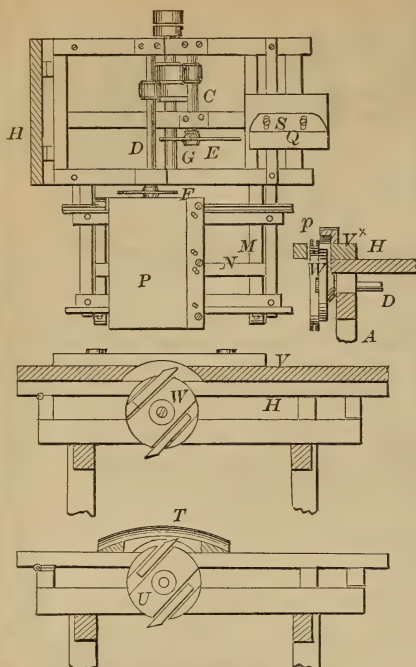
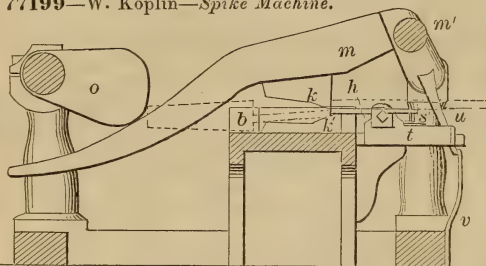
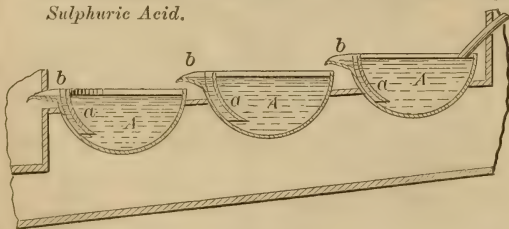
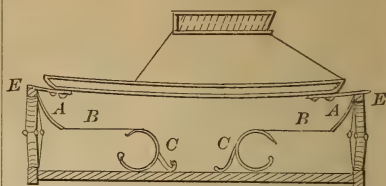
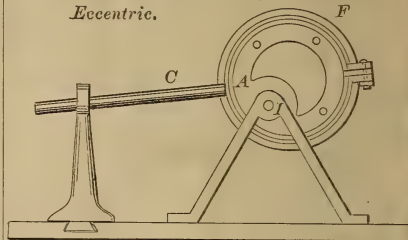
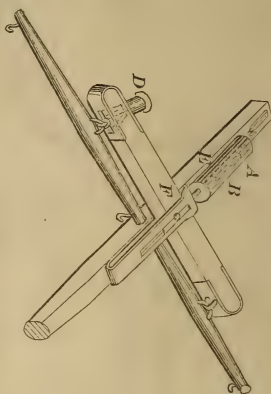
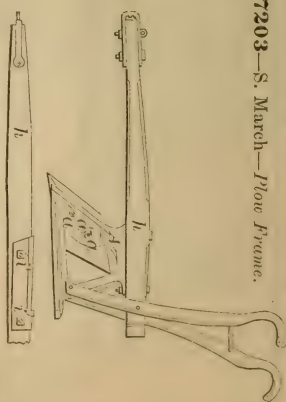


77194—D. A. James—Pouring liquids from Solids.

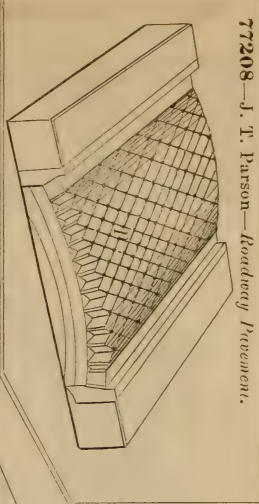
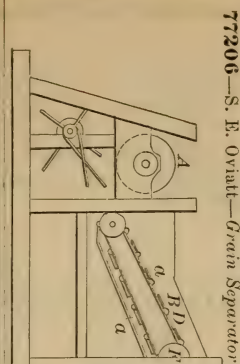
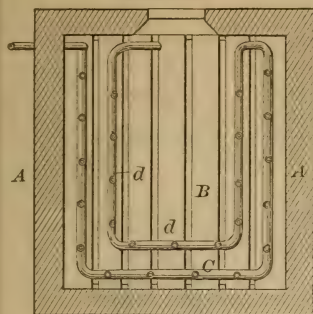


77198—G. King—Hog Scalding Tank.

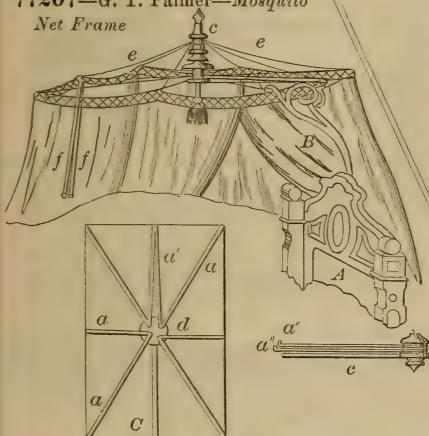


77195—T. Jenkyn—*Sawing Machine.*77199—W. Koplin—*Spike Machine.*77202—Marcelin & Saunders—*Pan for Concentrating Sulphuric Acid.*77201—W. I. Ludlow—*Fruit Bag.*77196—I. D. Johnson—*Carriage Check Brace.*77197—Keeler & Avery—*Variable Eccentric.*77200—Lafever & Laraway—*Equalizer.*77203—S. March—*Flow Frame.*

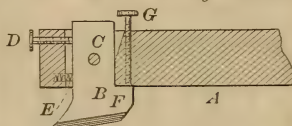
77205—F. I. Norton—Drying Apparatus.



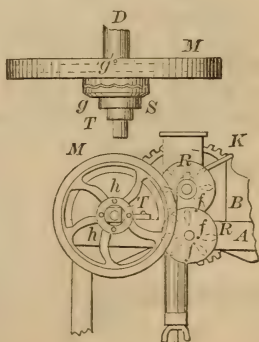
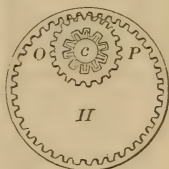
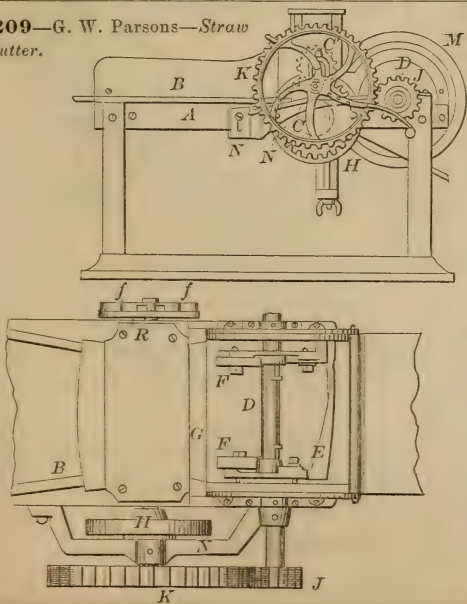
77207—G. T. Palmer—Mosquito Net Frame

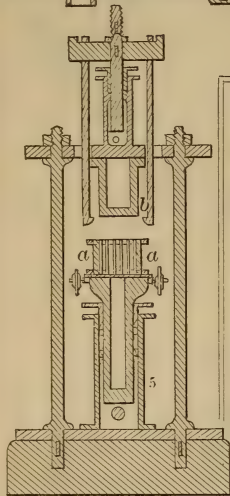
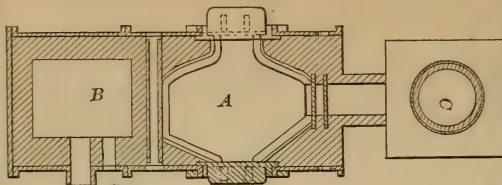
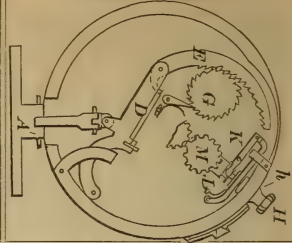
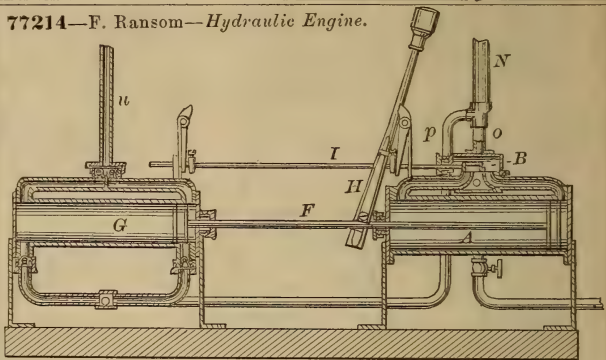
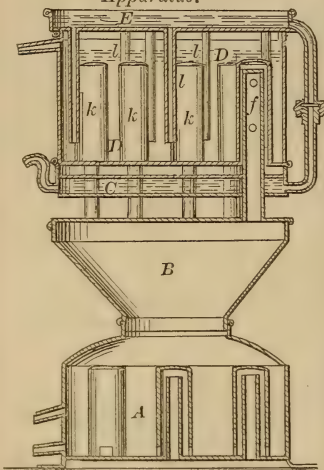
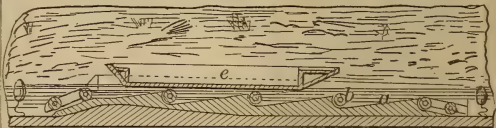
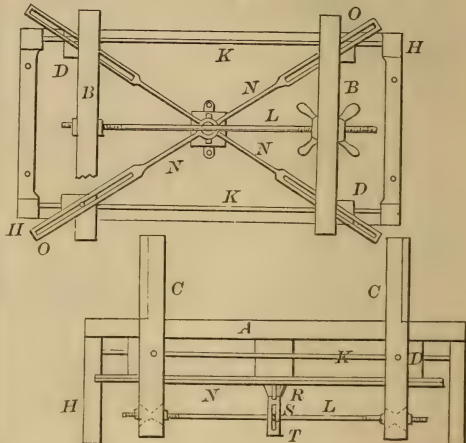
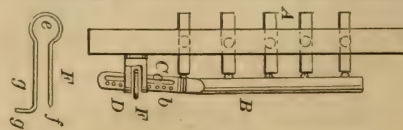
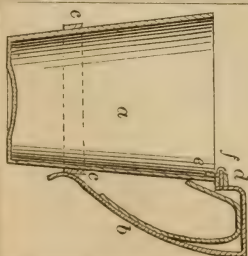


77211—E. T. Prindle—Cutting Tool for Planing and Milling Machines.

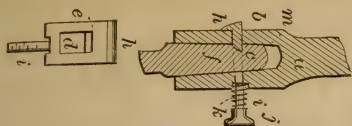


77209—G. W. Parsons—Straw Cutter.

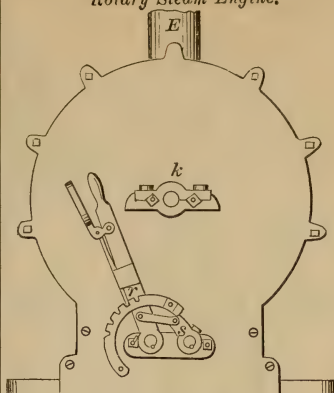


77210—J. Player—*Manufacture of Malleable Iron.***77213**—U. H. Ramuz—*Self-Winding Watch.***77214**—F. Ransom—*Hydraulic Engine.***77216**—J. Riley—*Distilling Apparatus.***77212**—J. A. Putnam—*Chute for River Navigation.***77217**—C. Robinson—*Mitre Box.***77218**—T. F. Rockwell—*Blind Slot Fastening.***77215**—C. Reistle—*Tumbler Holder.*

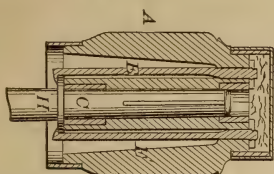
77219—S. C. Rundlett—Bit Brace.



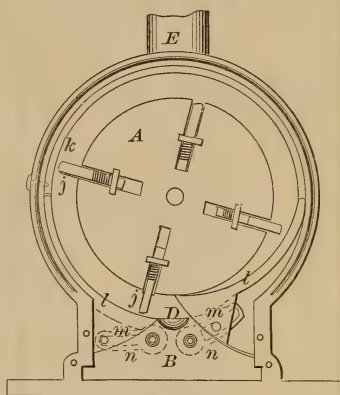
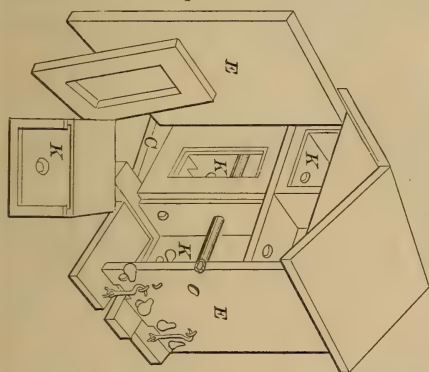
77221—Shellenback & Augspurger—Rotary Steam Engine.



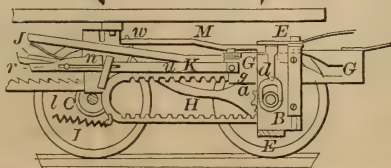
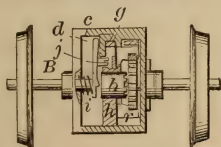
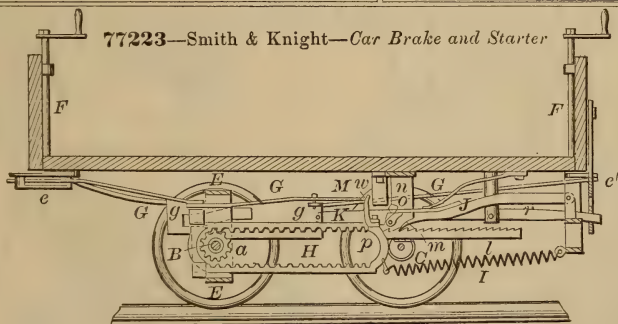
77220—G. W. Sawin—Attaching Wheels to Axles.



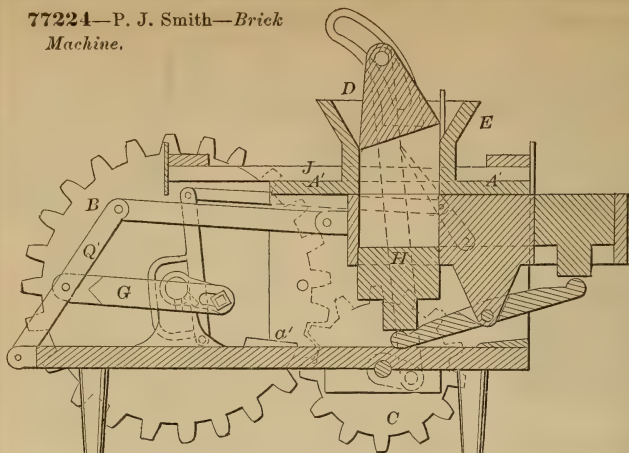
77222—W. M. Simpson—Bee House and Hive.



77223—Smith & Knight—Car Brake and Starter



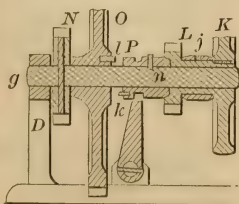
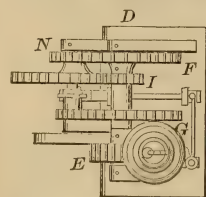
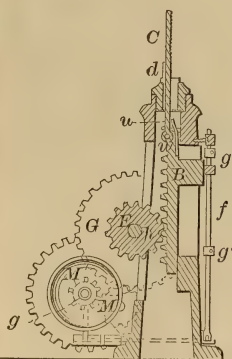
77224—P. J. Smith—*Brick Machine.*



77228—G. A. Watkins—*Chair Seat.*



77225—Smith & Eddy—*For Cutting Key Seats*



77226—D. F. Simes—*For Consuming Smoke and Gas.*

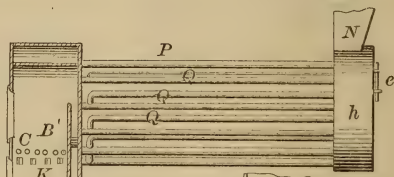
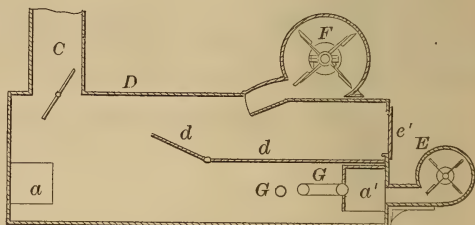
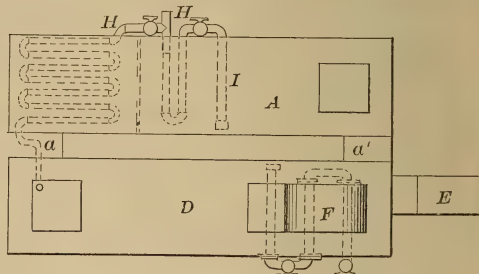
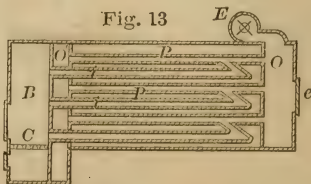


Fig. 11

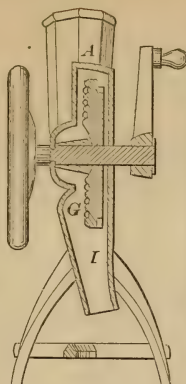
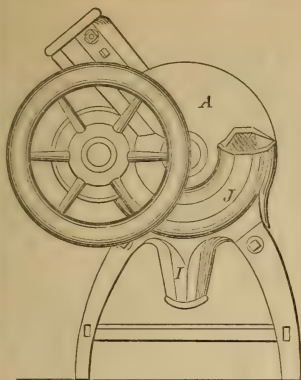


Fig. 12

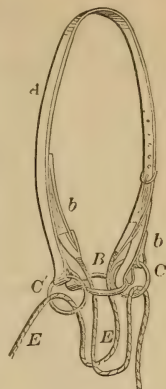
Fig. 13



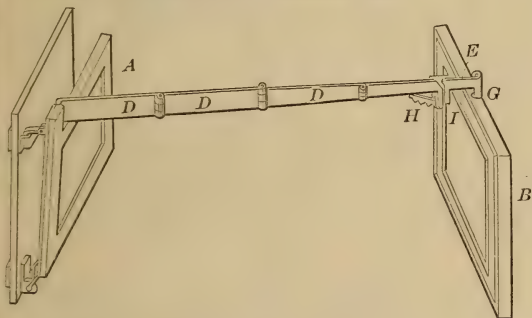
77227—J. Warren—Corn Sheller.



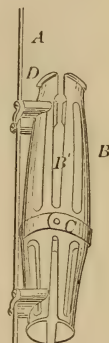
77235—S. V. R. York—
Bitting Attachment.



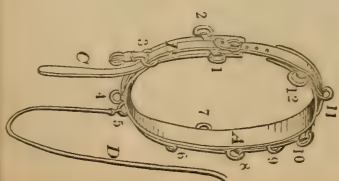
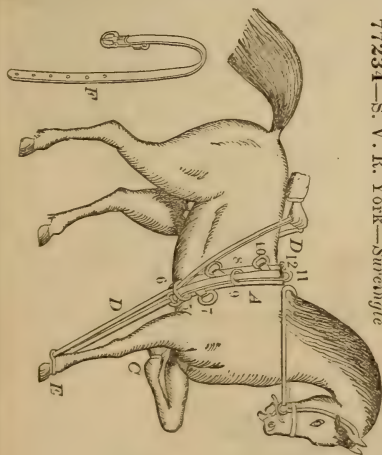
77229—U. A. Woodbury—Looking Glass.



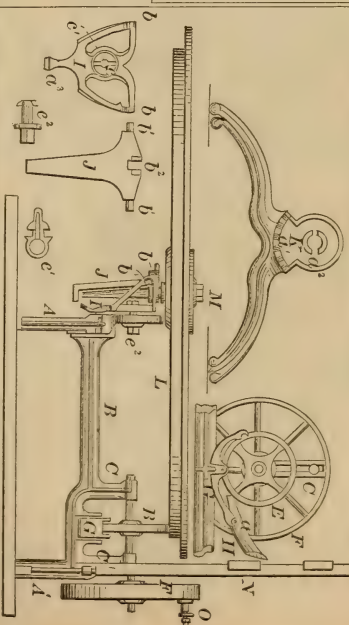
77233—A. Worden—Whip Holder.



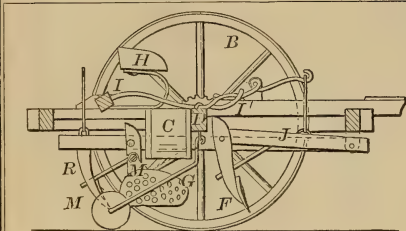
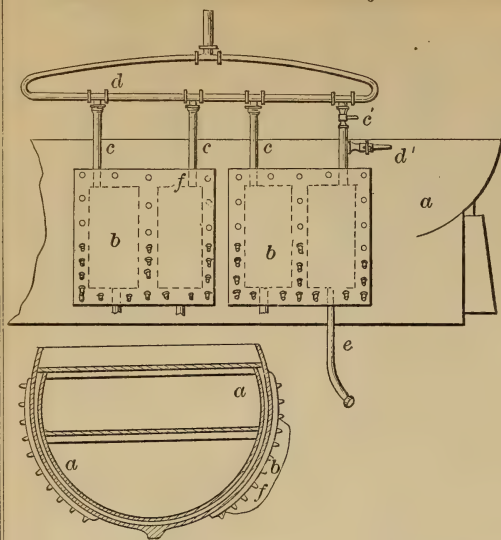
77234—S. V. R. York—Sawangle



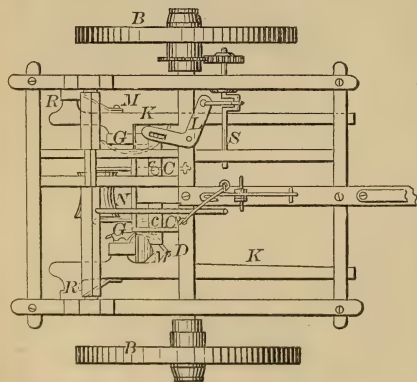
77236—J. J. Augate—Animal Power.



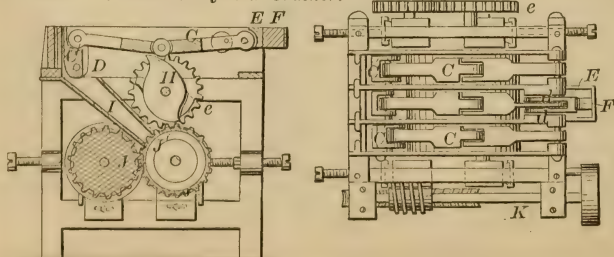
77237—G. M. Allerton—For Raising Sunken Vessels.



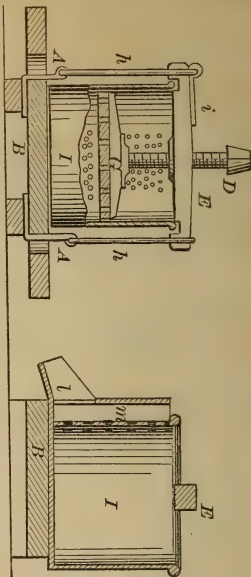
77238—I. B. Arthur—Corn Plow, Planter and Cultivator.



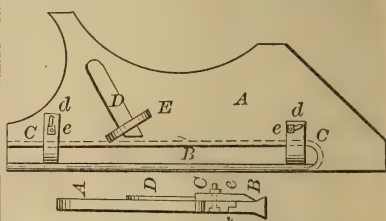
77240—B. Babbitt—Quartz Crusher.



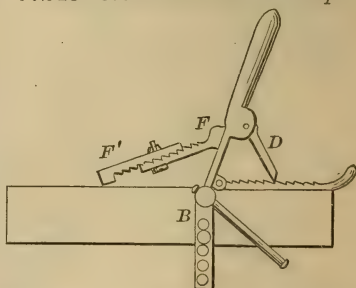
77239—S. S. Avis—Lard Press.



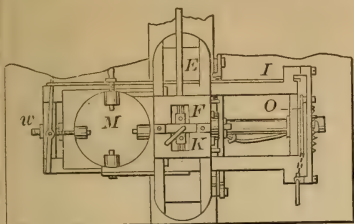
77242—J. Bacon—Plow Land Side.



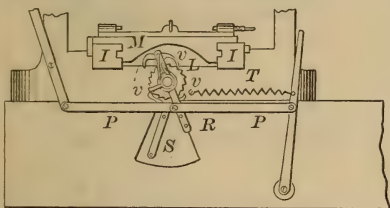
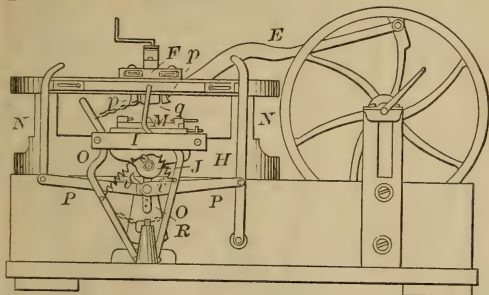
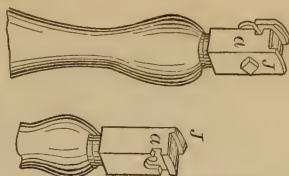
77243—J. H. Baker—Floor Clamp.



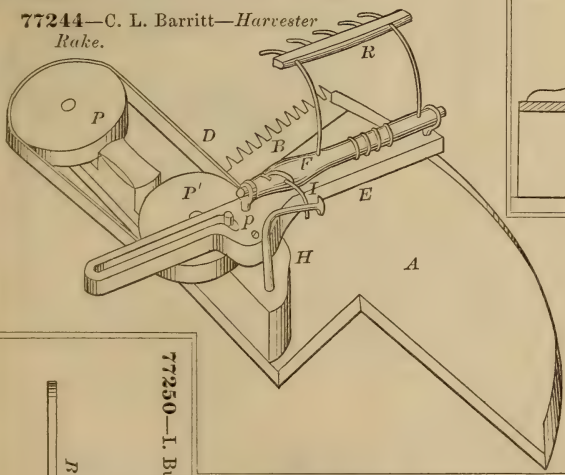
77241—J. S. L. Babbs—For Making Pegs.



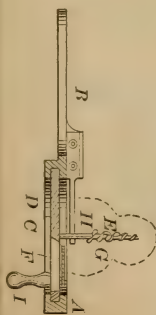
77246—J. Bleasde—Fore Part Iron.



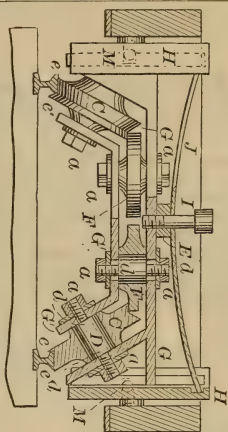
77244—C. L. Barritt—Harvester
Rake.



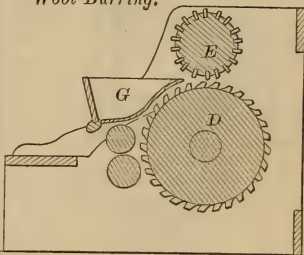
77250—L. Bullard—Vegetable Slicer.



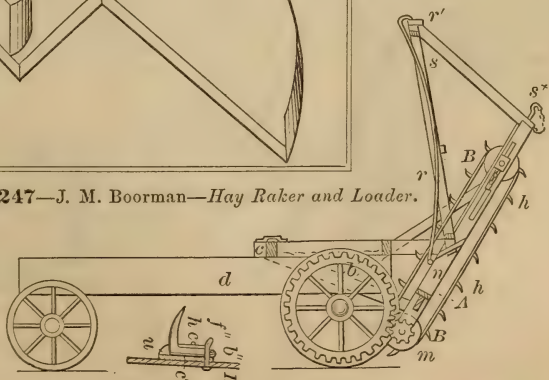
77248—S. Y. Bradstreet—Safety Truck

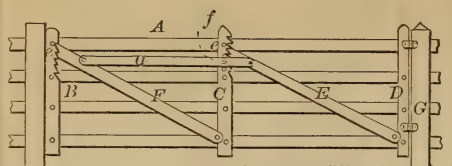
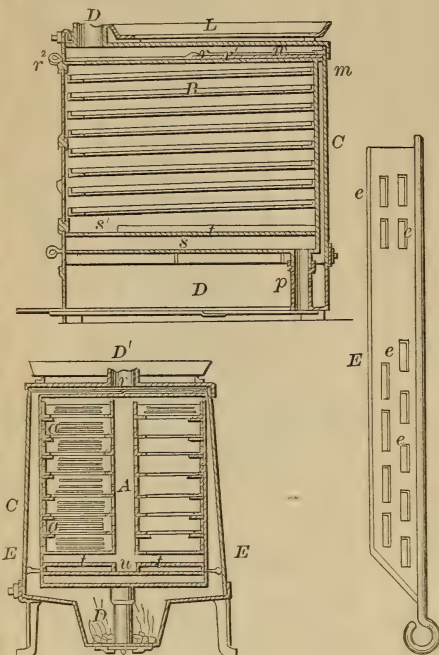
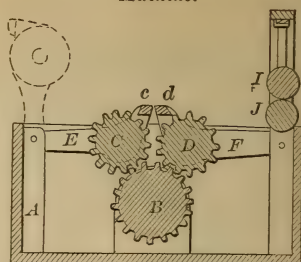
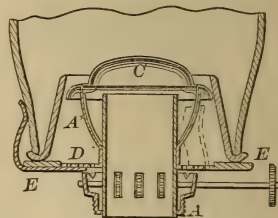
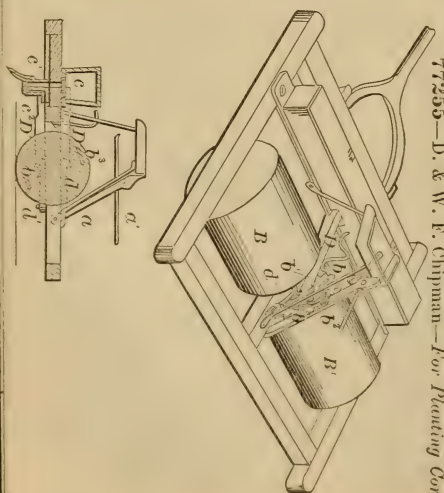
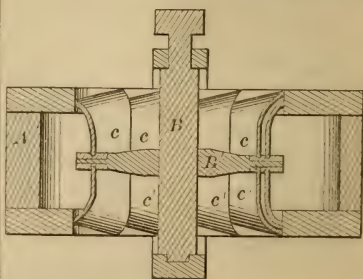
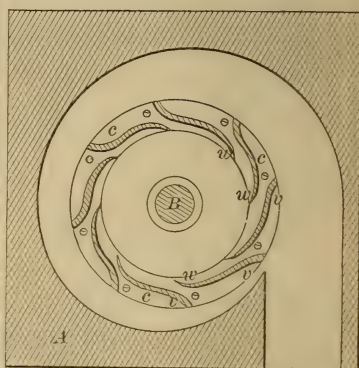


77249—L. Brumbach—For
Wool Burring.

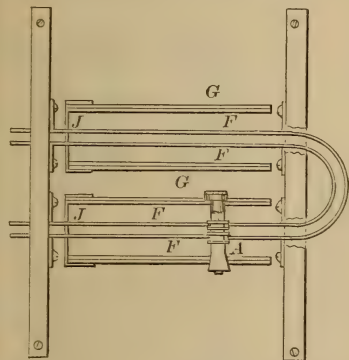
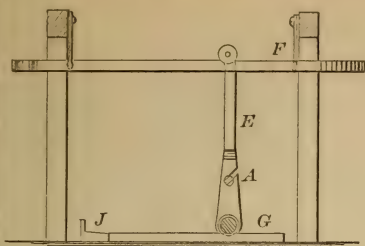


77247—J. M. Boorman—Hay Raker and Loader.

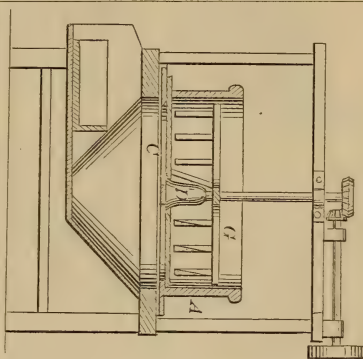
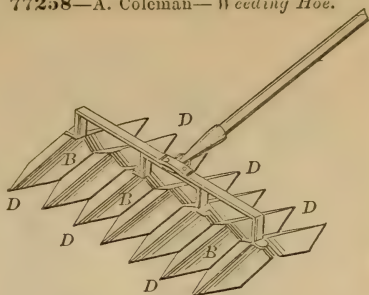


77251—E. P. H. Capron—*Farm Gate*77253—S. L. Cheyney—*Dryer*.77252—Case & Johnson—*Washing Machine*.77254—G. Chinnoek—*Lamp Burner*.77256—J. Clark—*Water Wheel*.77255—D. & W. F. Chipman—*For Planting Corn*.

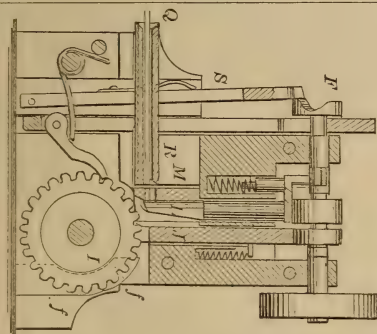
77257—J. H. Cole—Roofing Machine.



77258—A. Coleman—Weeding Hoe.

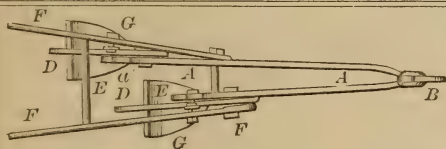
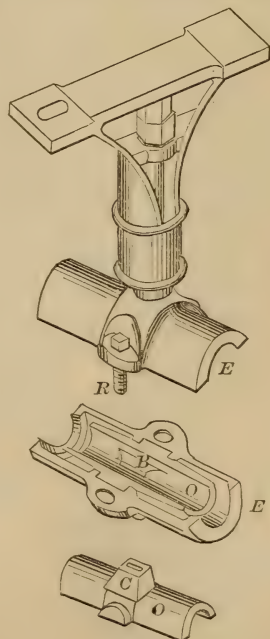


77259—J. B. Cox—For Disintegrating Ores.

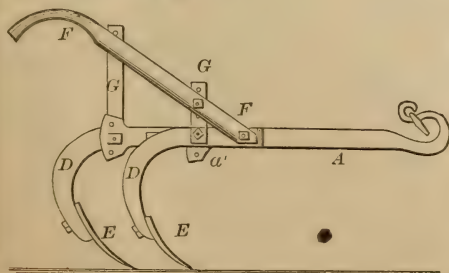


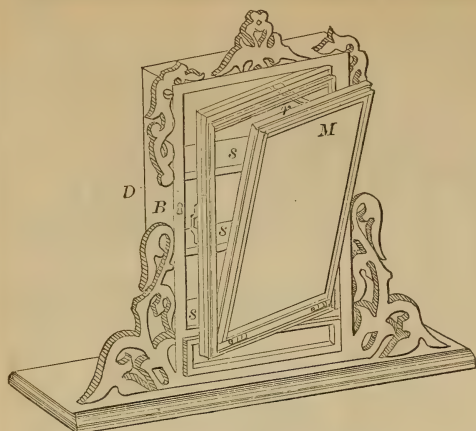
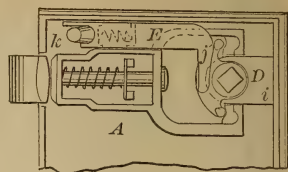
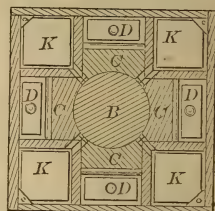
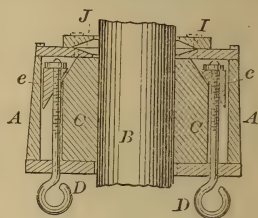
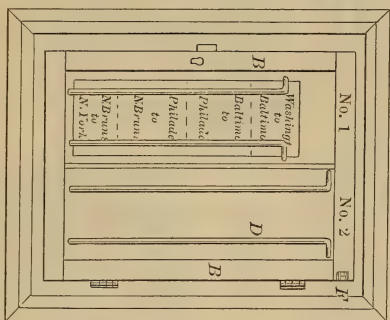
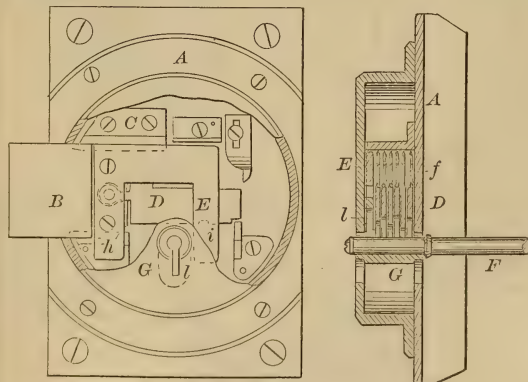
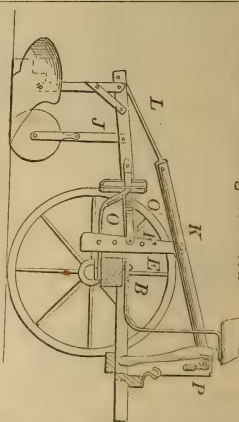
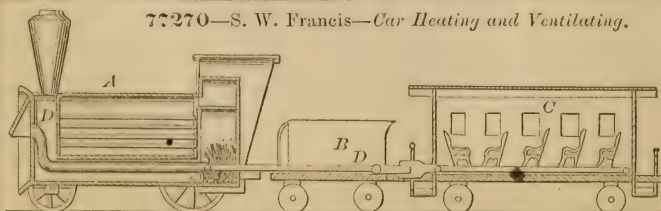
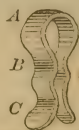
77262—E. Davison—Nail Machine.

77261—W. W. Crane—Self-Lubricating Box for Shafting.

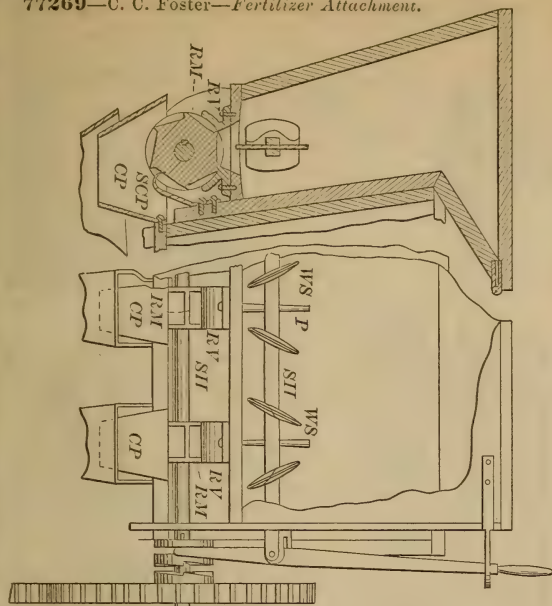


77260—A. J. Craig—Double Shovel Plan

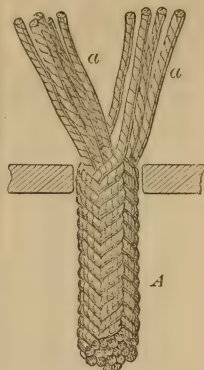


77263—H. W. Eastman—*Bureau Toilet Attachment.*77264—H. H. Elwell—*Reversible Knob Latch.*77265—J. M. Evril—*Mill Bush.*77266—O. G. & S. G. Fessenden—*Ticket Holder for Railroad Car, &c.*77267—W. D. Field—*Door Lock.*77272—W. Gallagher—*Plow.*77270—S. W. Francis—*Car Heating and Ventilating.*77268—P. Finley—*Clothes Pin.*

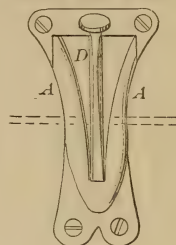
77269—C. C. Foster—Fertilizer Attachment.



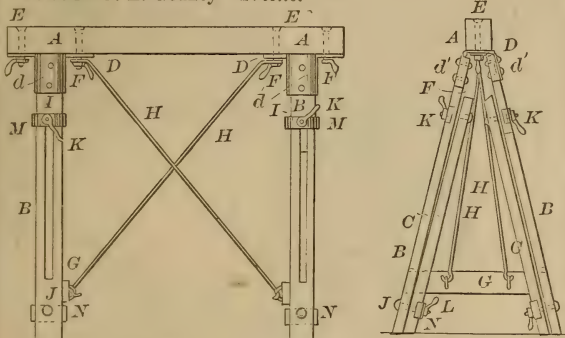
77275—J. Gladding—Steam Engine Packing.



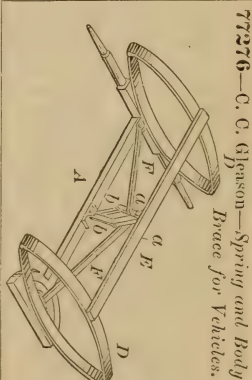
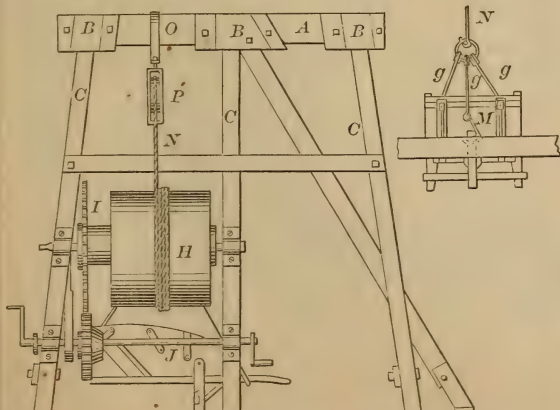
77274—J. W. Gladding—Clothes Line Holder.



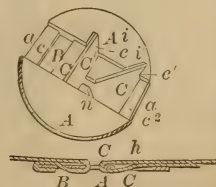
77273—J. E. Gedney—Trestle.

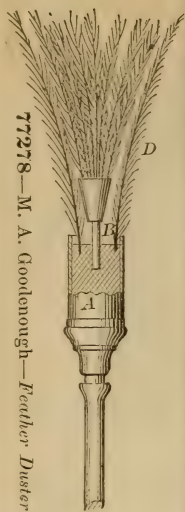


77271—C. Fricke—Derrick.



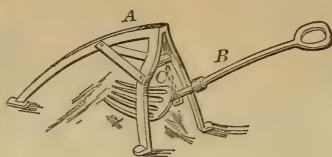
77277—J. H. Gooch—Cotton Bale Tie.



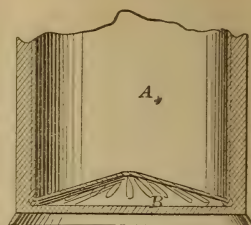


77278—M. A. Goodenough—Feather Duster.

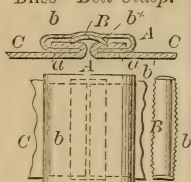
77279—A. Graves—Potato Digger.



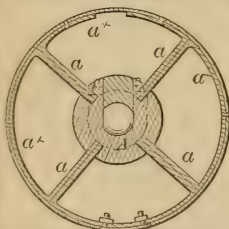
77280—J. L. Hadden—Water Cooler.



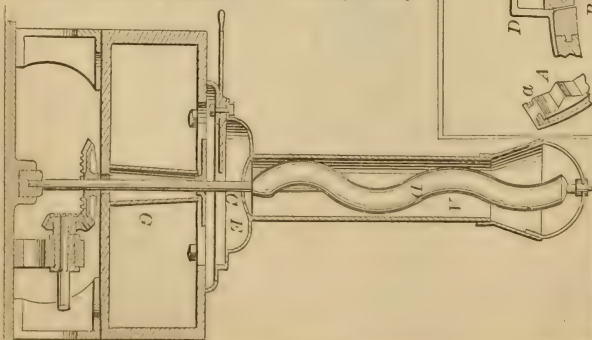
77282—Hawes & Bliss—Belt Clasp.



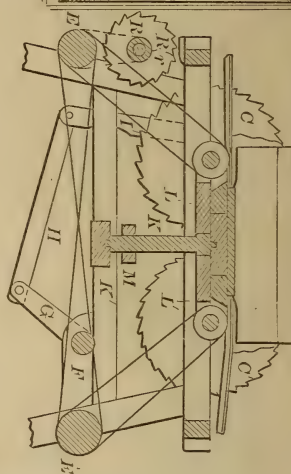
77284—F. Hewitt—Pulley.



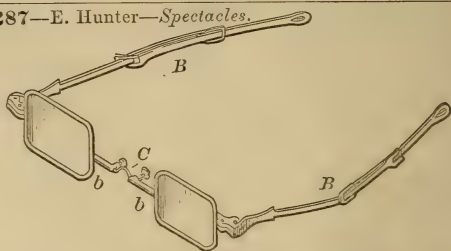
77281—Hawes & Bliss—For Cleaning Emery.



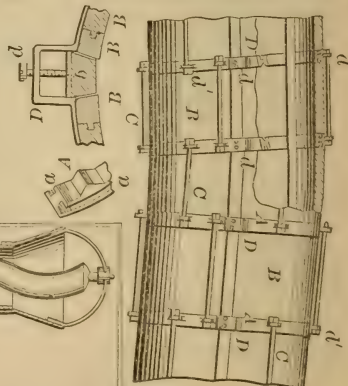
77283—S. Head—Shingle Machine.



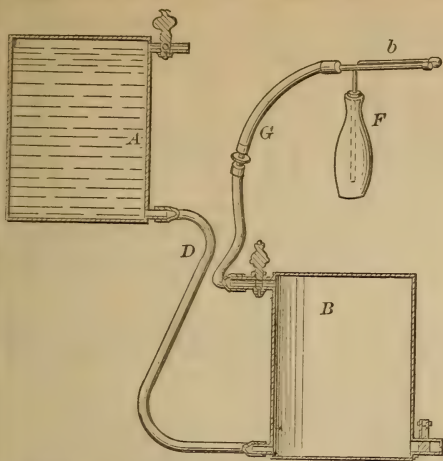
77287—E. Hunter—Spectacles.



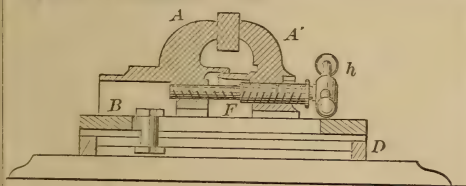
77285—W. F. Holske—Tubular Structure.



77286—C. H. Hudson—For Diffusing Liquids.

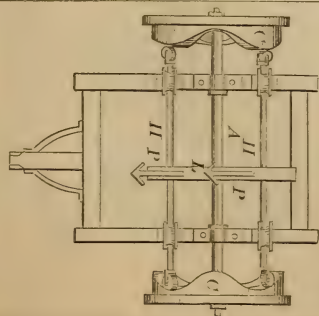
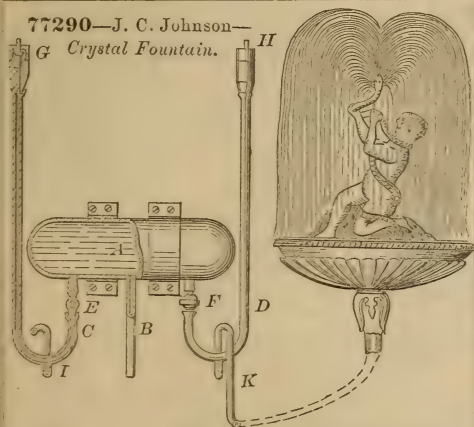


77289—A. Jameson—Vise.



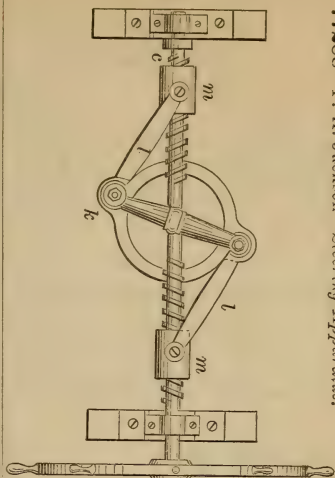
77290—J. C. Johnson—

G Crystal Fountain.

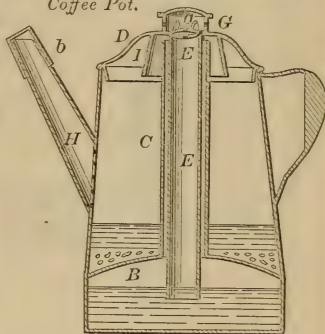


77292—I. J. Kidd—Cotton
Scraper.

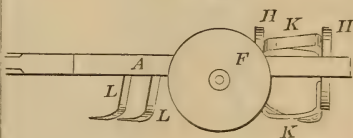
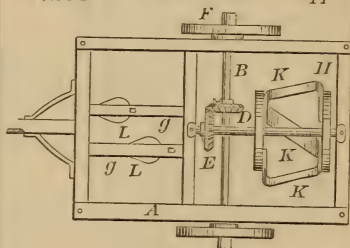
77288—P. H. Jackson—Steering Apparatus.



77291—A. C. Kasson—Tea and
Coffee Pot.



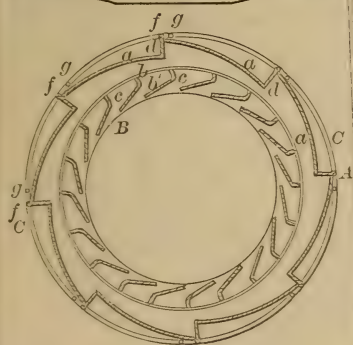
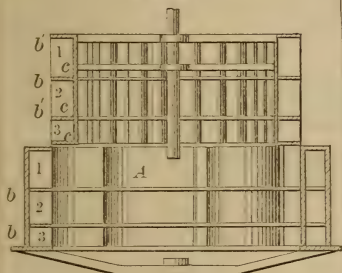
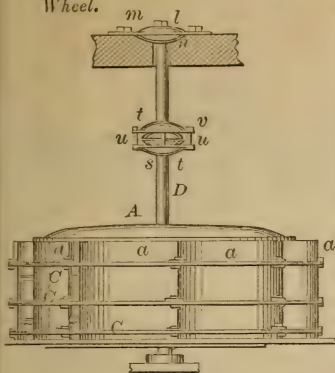
* 77293—I. J. Kidd—Cotton Chopper.



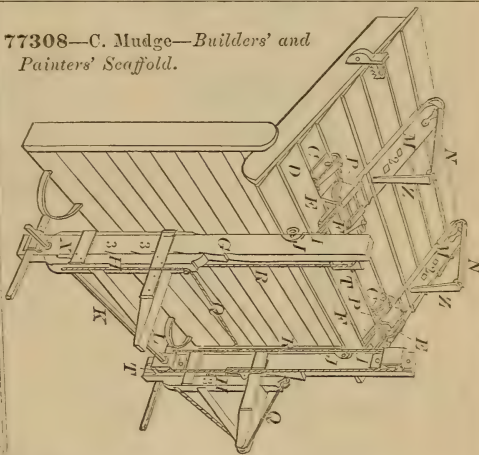
77295—C. W. T. Krausch—Belt
Coupling.



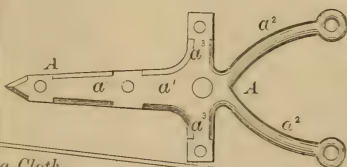
77302—W. H. Matson—*Water Wheel.*



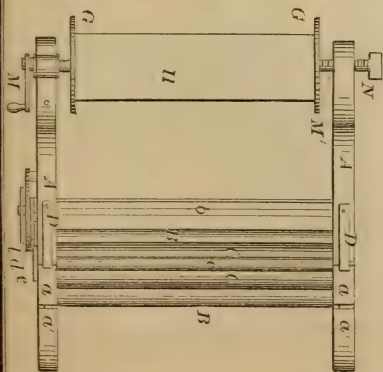
77308—C. Mudge—*Builders' and Painters' Scaffold.*



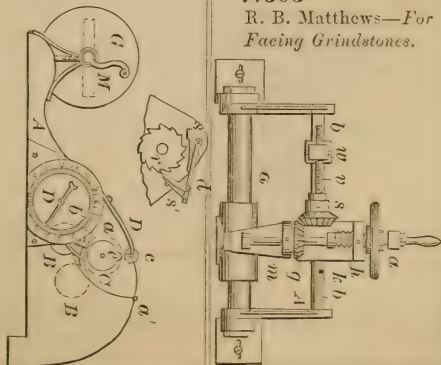
77306—L. C. Miller—*Carriage Spring Brace.*



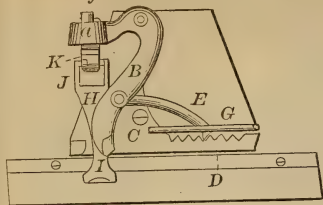
77305—G. R. McIntire—*For Measuring Cloth.*



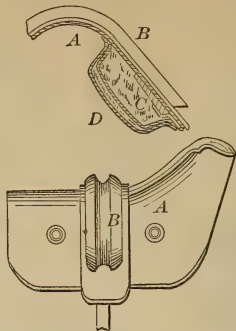
77303—
R. B. Matthews—*For*
Facing Grindstones.



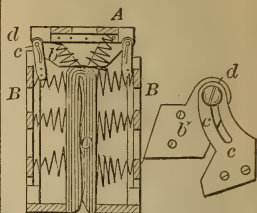
77309—H. E. Murray—*Clamp for Vehicle Seats.*



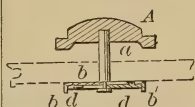
77310—J. O'Mahony—*Dray Saddle.*



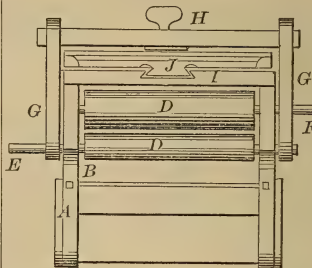
77311—F. C. Payne—*Folding Bed.*



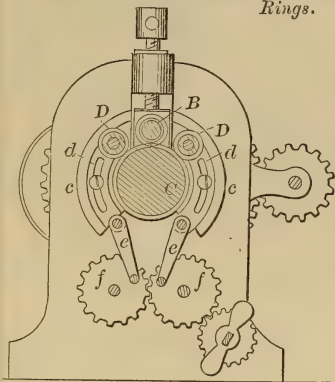
77313—F. J. Perkins—*Button.*



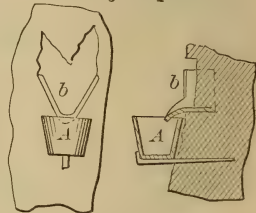
77315—M. Pierce—*Clothes Wringer.*



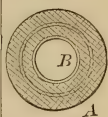
77312—W. H. Peckham—*For Bending Rings.*



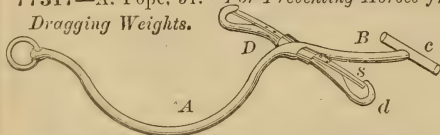
77319—A. Pudigon—*Gathering Turpentine.*



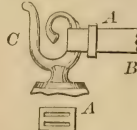
77314—E. L. Perry—*Gas Tube.*



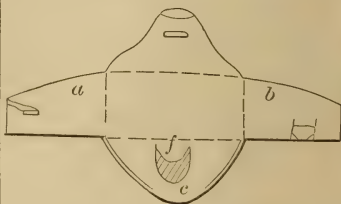
77317—A. Pope, Jr.—*For Preventing Horses from Dragging Weights.*



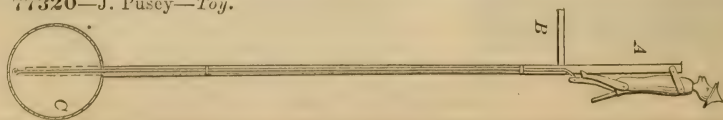
77318—W. B. Potter—*Check Rein Slide.*



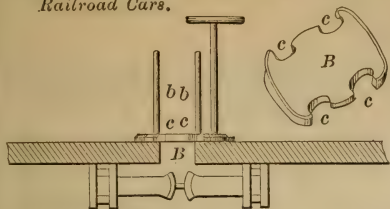
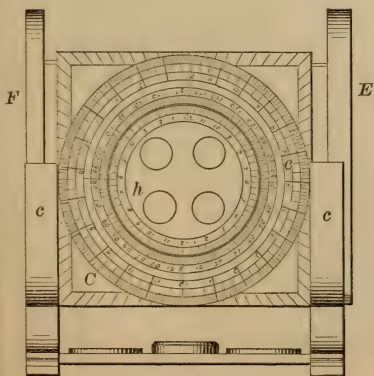
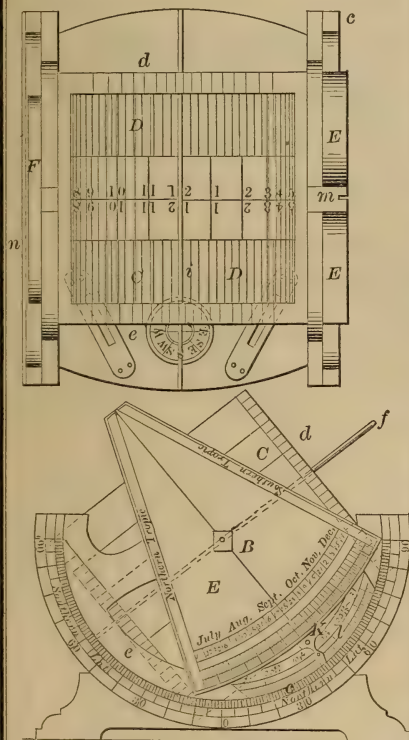
77316—C. R. M. Pohle—*Envelope.*



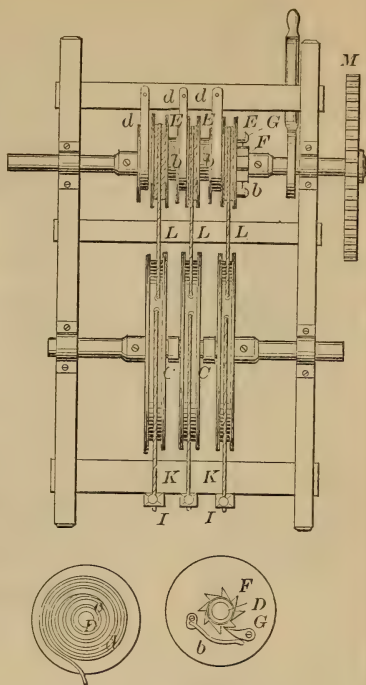
77320—J. Pusey—*Toy.*



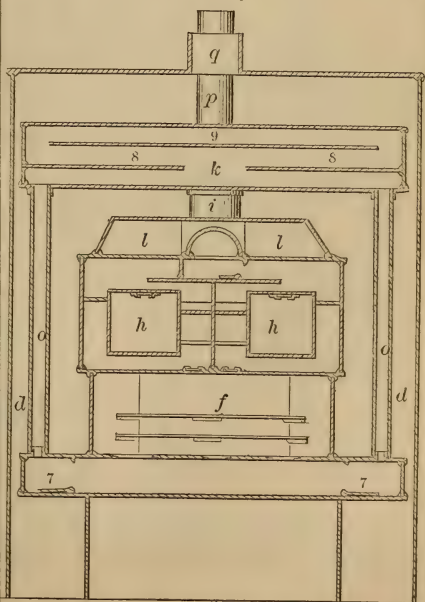
77321—A. Rank—*Platform Bridge for Railroad Cars.*

77324—C. F. L. Risch—*Heliometer*.

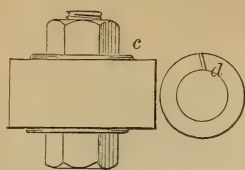
77322—G. Rich—*Mechanical Movement.*



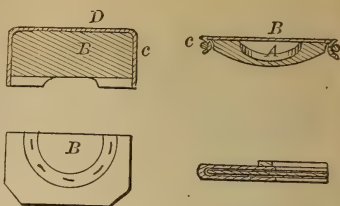
77325—A. K. Sanders—*Heater Range.*



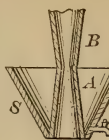
77326—T. Shaw—Washer.



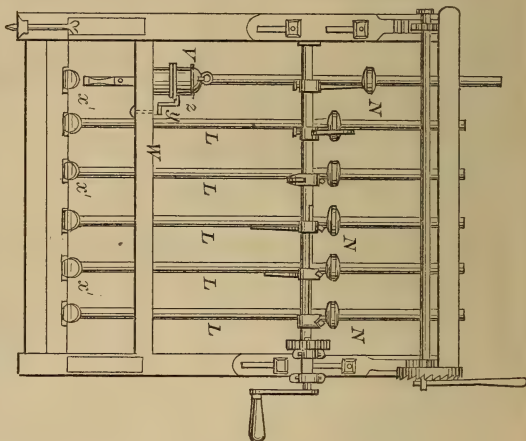
77328—P., J. & F. Slevin—Whistle.



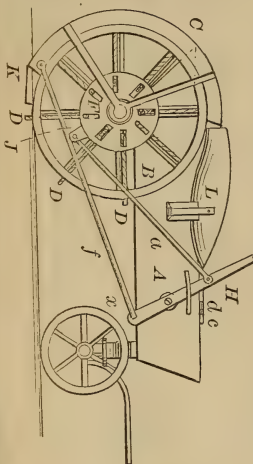
77327—M. A. Shepard—Boiler upon Store Pipes.



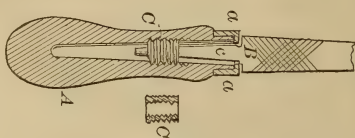
77330—Southard & Hobson—Stone Drilling Machine.



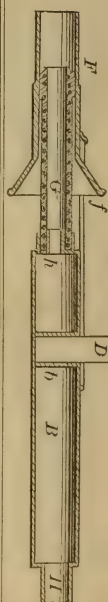
77329—J. P. Smith—Excavating Vehicle.



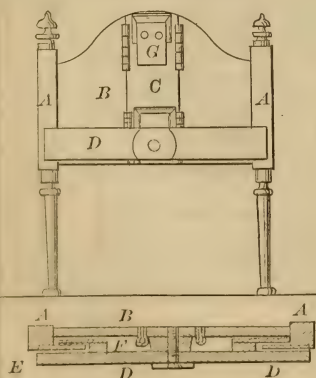
77332—H. C. Storrs—File Handle.



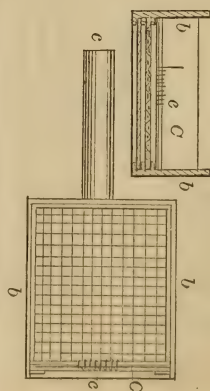
77330—T. S. Speakman—Pipe Coupling for Railroad Car Heaters.



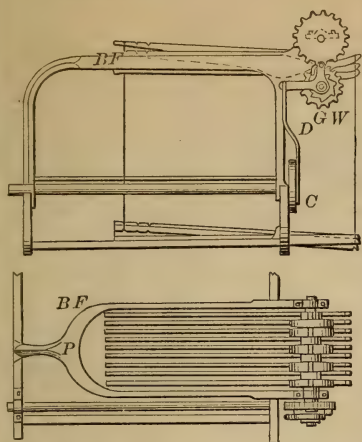
77334—R. S. Titecomb—Folding Bedstead and Crib.



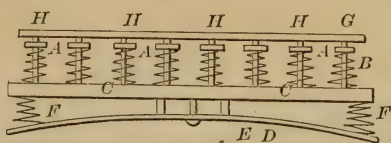
77333—A. Thayer—Screen and Shovel.



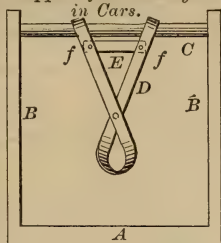
77335—F. Traub—Operating
Harness in Looms.



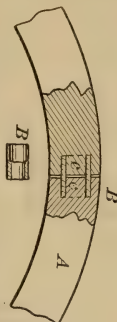
77339—C. Walker—Bed Bottom.



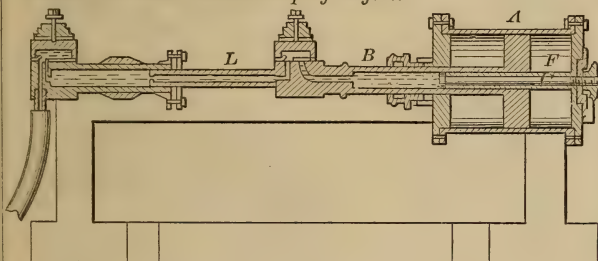
77338—H. S. Vrooman—
Support for Passengers
in Cars.



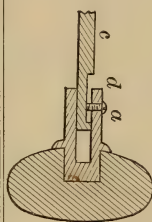
77337—E. D. Tyler—Dowel Pin.



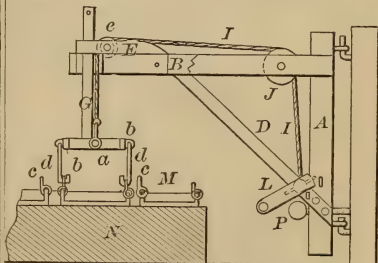
77336—J. Tufts—Steam Pumping Engine.



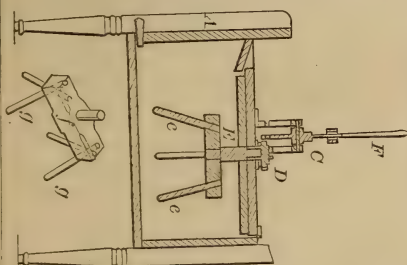
77344—W. H. Andrews—
Attaching Door Knobs to
Spindles.



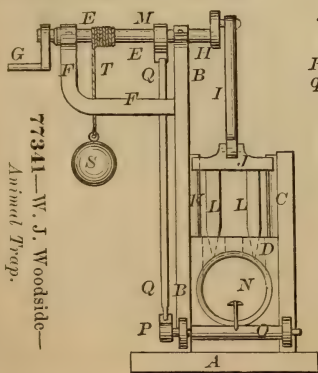
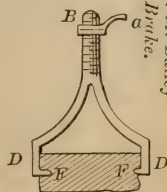
77342—D. Young—Sugar Pan Derrick.



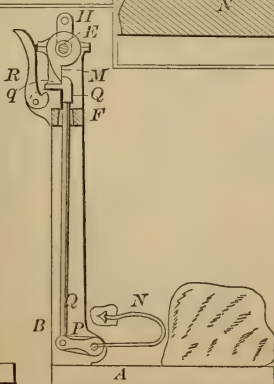
77340—J. T. Wheeler—
Washing Machine.



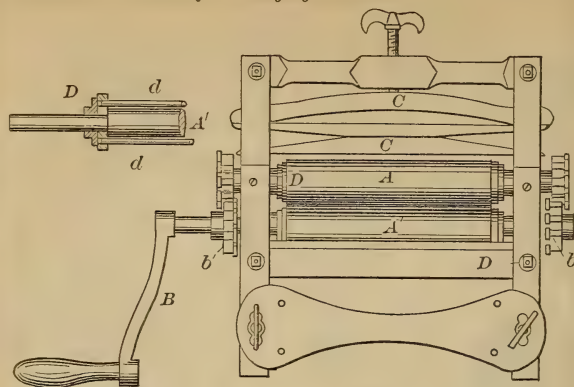
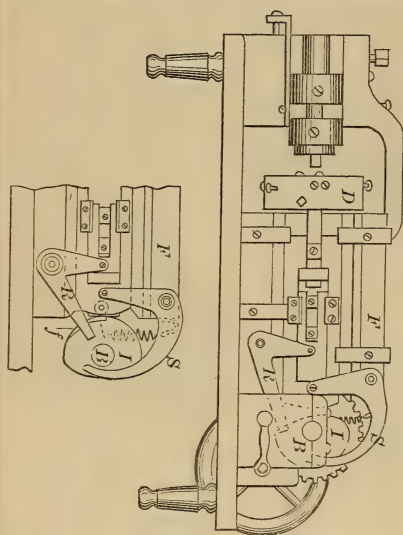
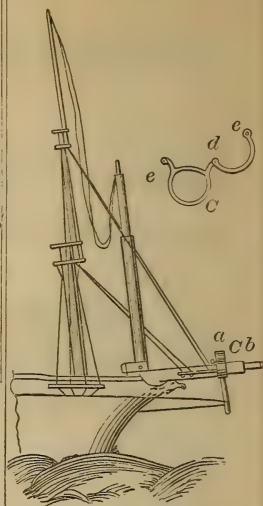
77345—D. M. Bailey—
Wagon Brake.



77341—W. J. Woodside—
Animal Trap.

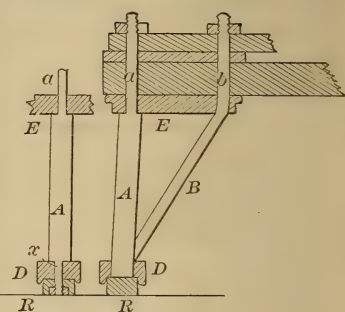
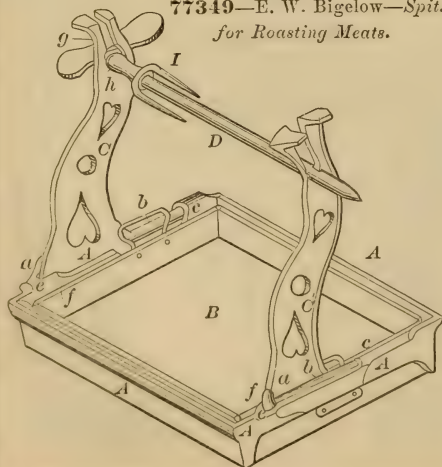


77346—S. A. Bailey—Wringing Machine.

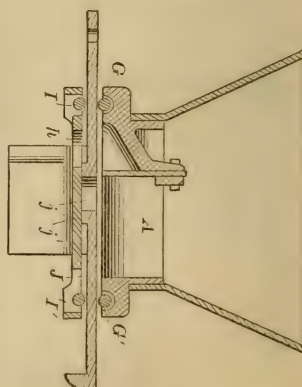
77348—W. E. Beman—
Jib Boom.

77347—A. B. Bean—Nut Machine.

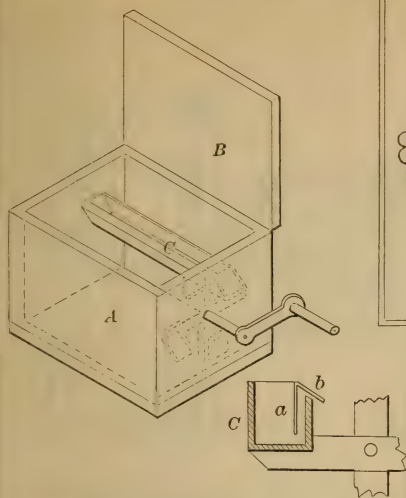
77350—J. W. Blake—Sled Knee.

77349—E. W. Bigelow—Spit.
for Roasting Meats.

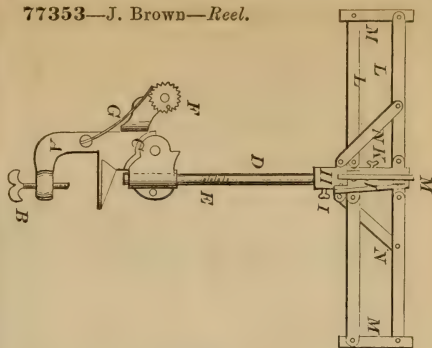
77351—J. M. Blessing—Corn Planter.



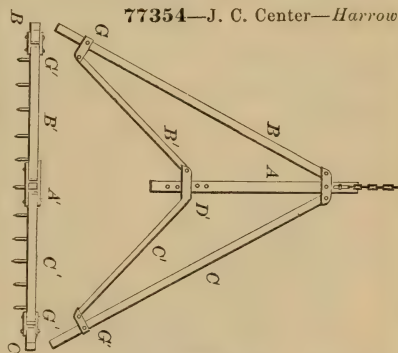
77352—C. H. Bradley—Churn.



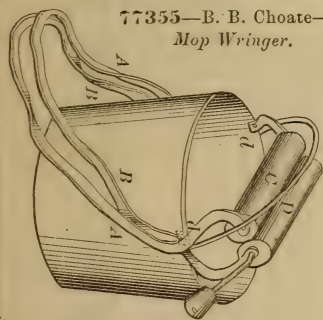
77353—J. Brown—Reel.



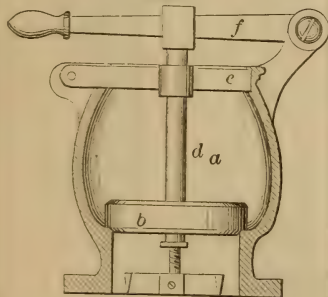
77354—J. C. Center—Harrow.



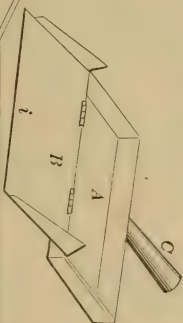
77355—B. B. Choate—
Mop Wringer.



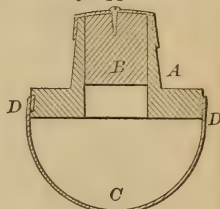
77359—L. Colwell—Sugar Pan
Valve.



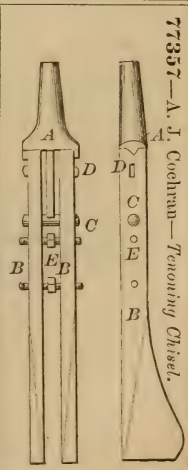
77358—D. C. Colby—Dust Pan.



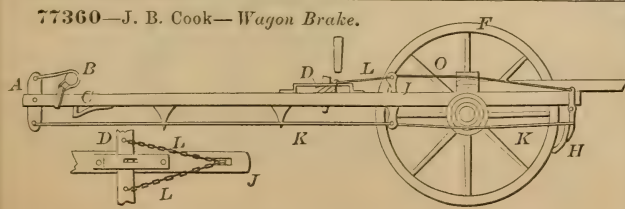
77356—W. B. Coates—
Starching Apparatus.



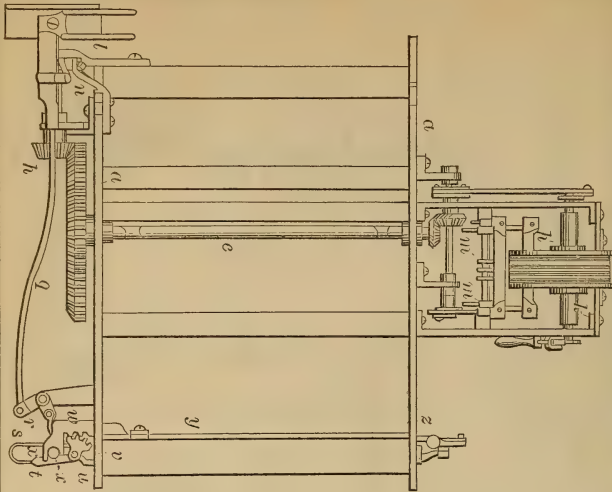
77357—A. J. Cochran—Tenoning Chisel.



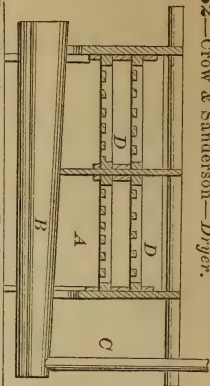
77360—J. B. Cook—Wagon Brake.



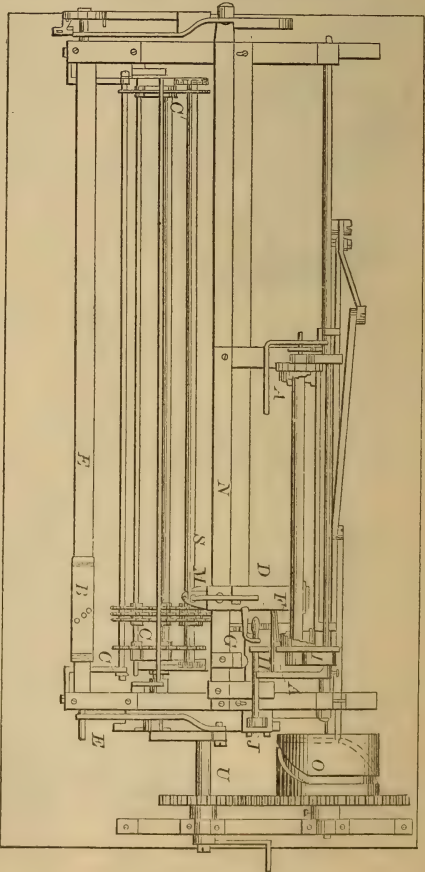
77361—G. Crompton—Loom.



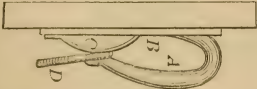
77362—Crow & Sanderson—Dryer.



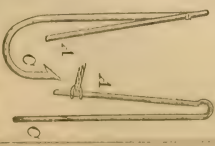
77363—J. Dalton—Knitting Machine.



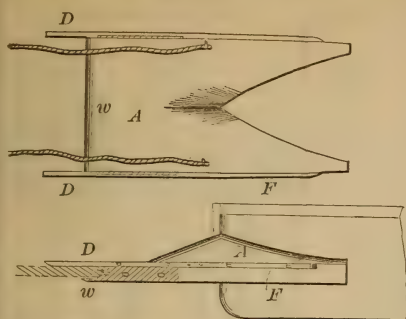
77364—F. Deming—Horse Hitching Device.



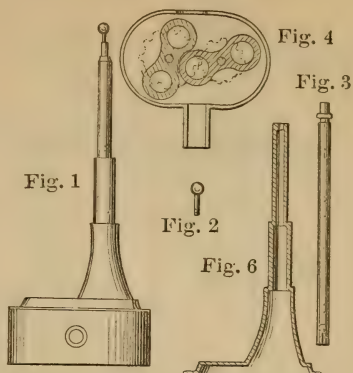
77365—R. A. Fish—Fish Hook.



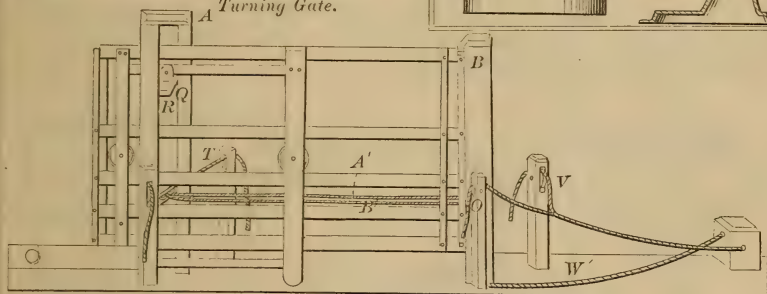
77366—A. Flannigain—*Ice Breaker.*



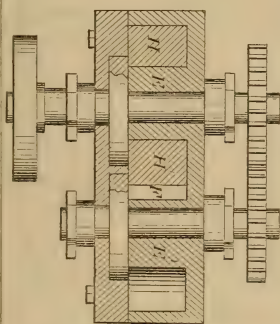
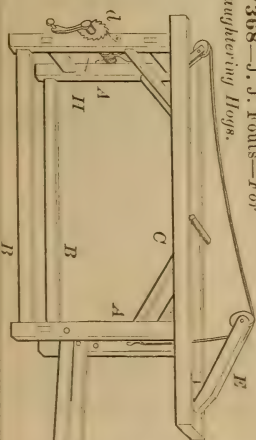
77370—G. F. Green—*Pneumatic Tooth Burr and Drill.*



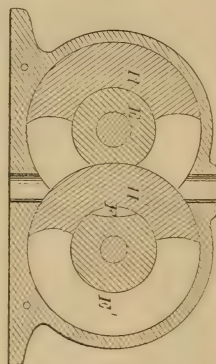
77367—R. Fleming—*Double, Sliding or Turning Gate.*



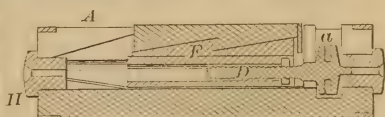
77368—J. J. Pouts—*for Slaughtering Hogs.*



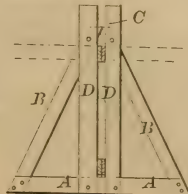
77373—D. D. Hardy—*Rotary Engine.*



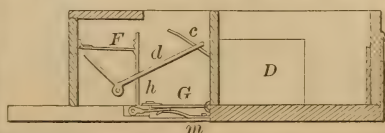
77369—M. Gardner, Sr.—*Mundrel.*

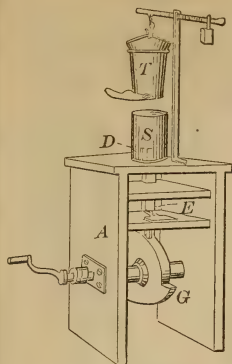
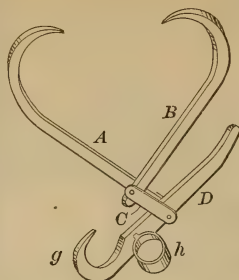
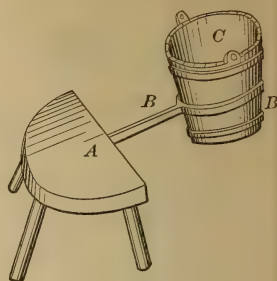
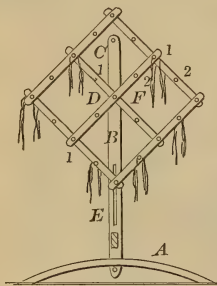
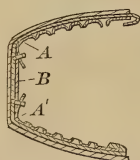
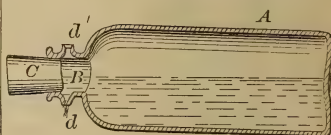
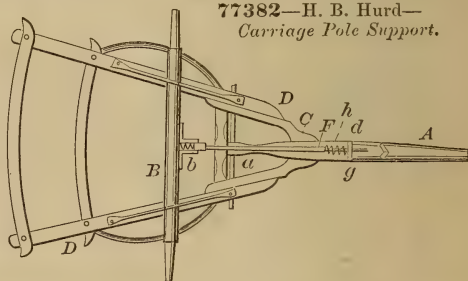
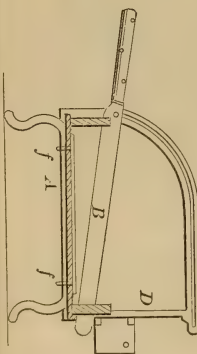
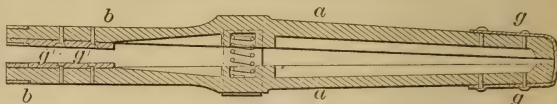
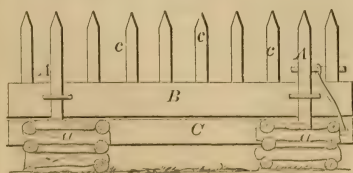
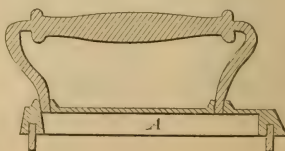


77371—C. S. S. Griffing—*Portable Fence.*

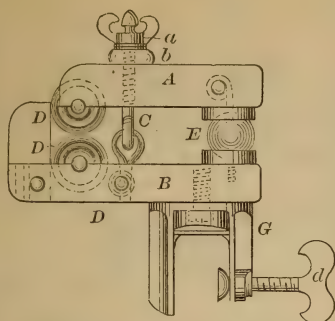


77372—B. F. Hancock—*Animal Trap.*

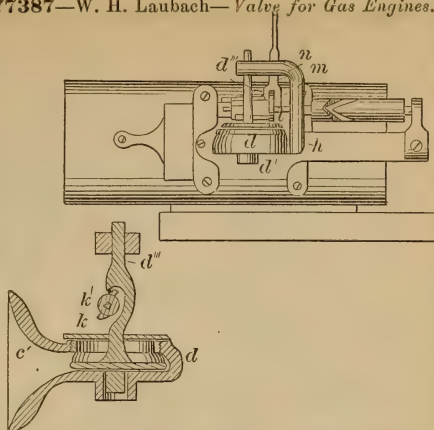


77374—S. Hewit—*Flour Packer.***77375**—Hicks & Doty—*Rafter Hook for Hoisting.***77376**—L. B. Hoit—*Milking Stool and Pail Holder.***77377**—W. W. Horton—*Hat and Dish Rack.***77380**—J. Humphery—*Sad Iron Holder.***77378**—W. S. How—*Vial.***77382**—H. B. Hurd—*Carriage Pole Support.***77383**—G. L. Jones—*Bread Cutter.***77385**—J. L. Knick—*For Extracting Weeds.***77384**—H. A. Kephart—*Flood Gate.***77379**—A. Y. Hubbell—*Sad Iron.*

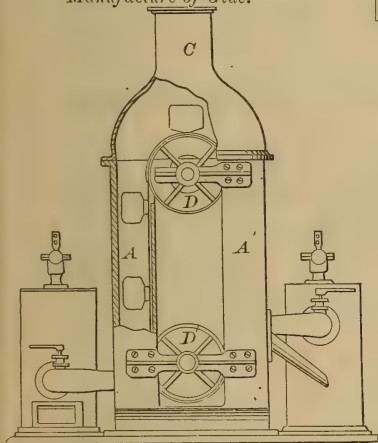
77386—Lapham & Pratt—Clothes
Wringer.



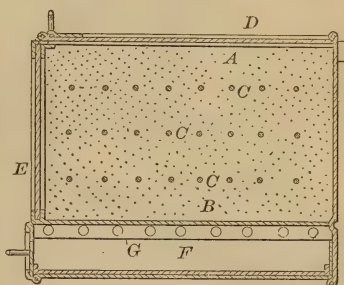
77387—W. H. Laubach—Valve for Gas Engines.



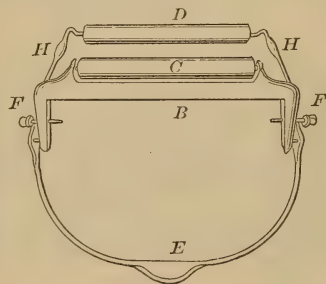
77388—J. A. & R. Lighthall—
Manufacture of Glue.



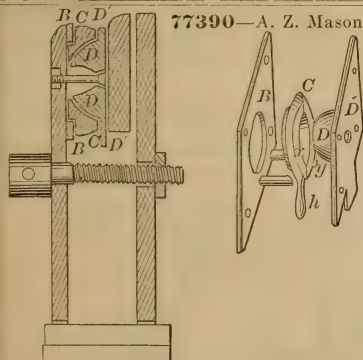
77389—W. H. Lockwood—Ventilating
Show Case.



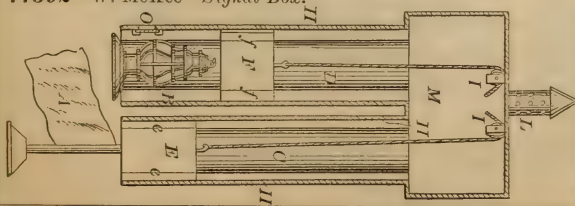
77391—May & Colton—Mop Wringer.



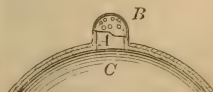
77390—A. Z. Mason—Vise.



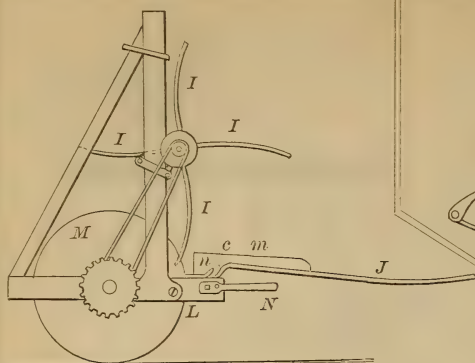
77392—W. McKee—Signal Box.



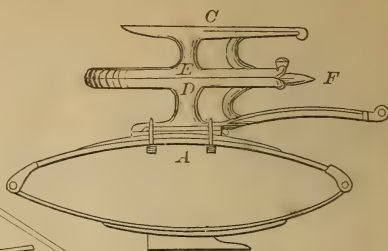
77393—T. McLaughlin—
Nipple Shield.



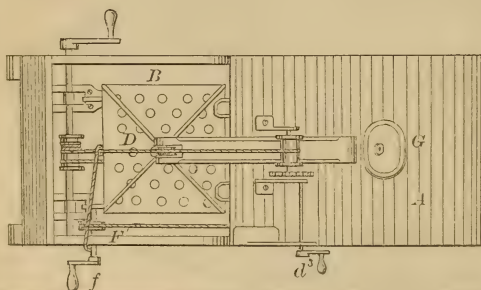
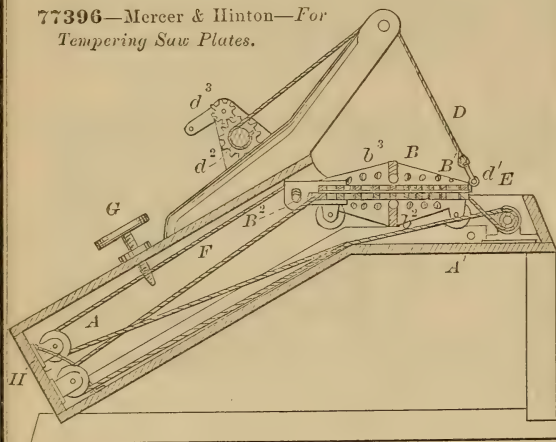
77394—G. Meader—Corn Harvester.



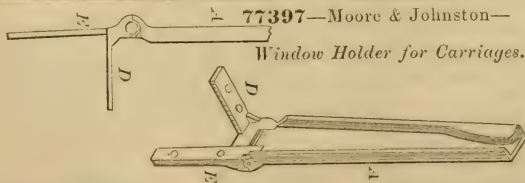
77395—J. J. D. Meincke—Forward Gear for Carriages.



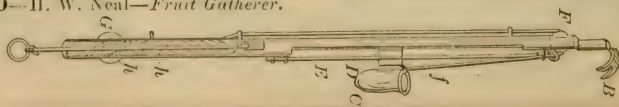
77396—Mercer & Hinton—For Tempering Saw Plates.



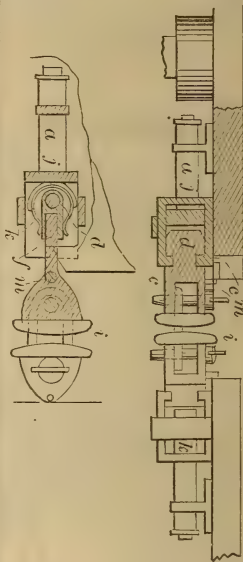
77397—Moore & Johnston—Window Holder for Carriages.



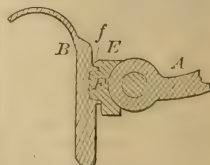
77400—H. W. Neal—Fruit Gatherer.



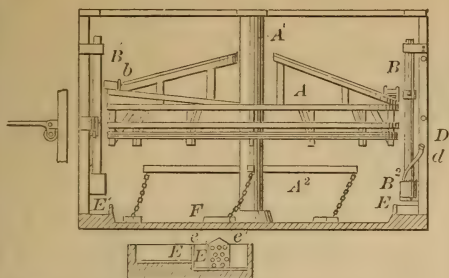
77398—T. M. Moore—Car Coupling.



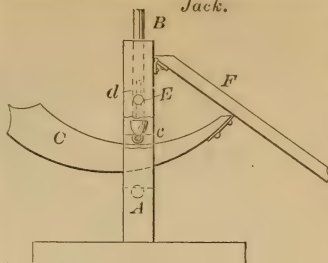
77399—F. B. Morse—Packing for Carriage Shackles.



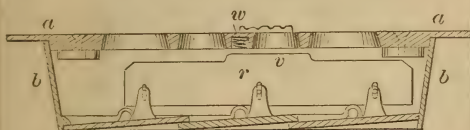
77401—P. M. Papin—Quartz Stamp Mill.



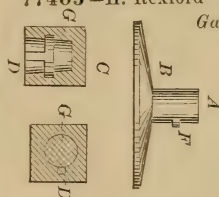
77406—Robertson & Collins—Lifting Jack.



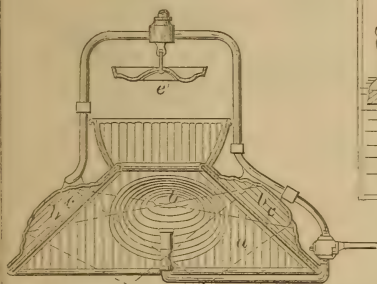
77403—H. M. Phinney—Register.



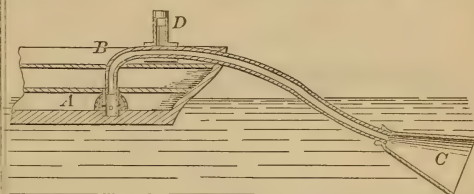
77405—H. Rexford—Canal Lock Gate Step.



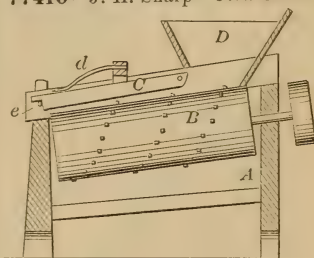
77408—Schmidlin & Driscoll—Reflector.



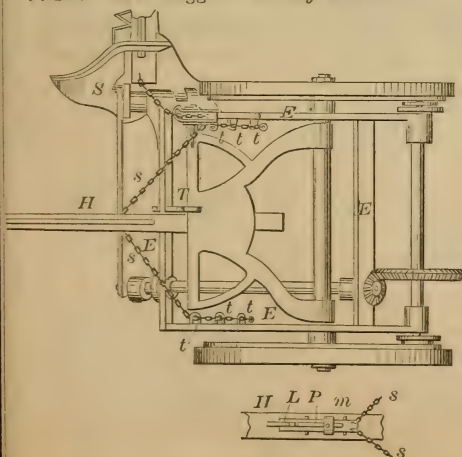
77402—P. Pardee—For Discharging Bilge Water.



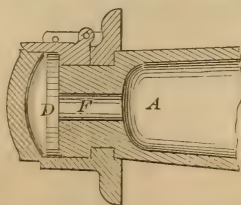
77410—J. H. Sharp—Corn Sheller.

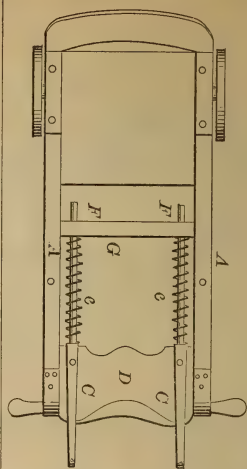


77407—H. J. Ruggles—Mowing Machine.

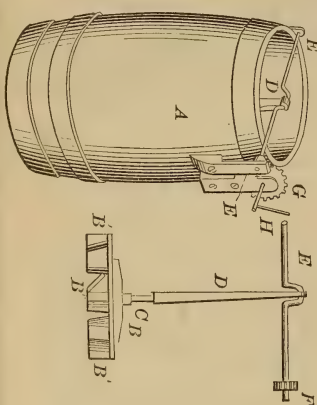
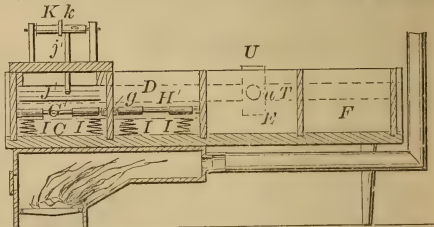
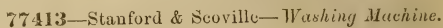
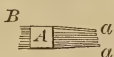
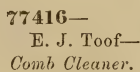
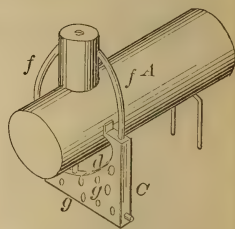
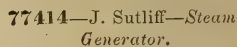


77411—J. R. Smith—Lock Nut for Axle and Skein Boxes.

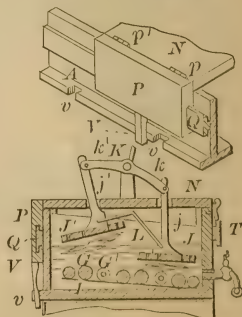
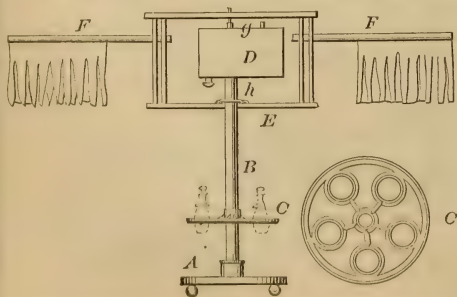
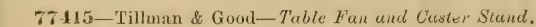




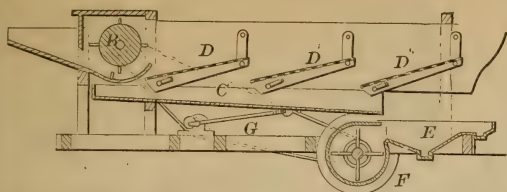
77412—G. & J. Smoker—*Hand Truck and Sack Holder.*



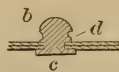
77417—N. Trowbridge—*Washing Machine.*



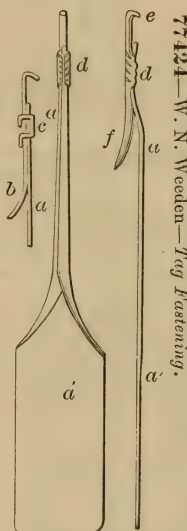
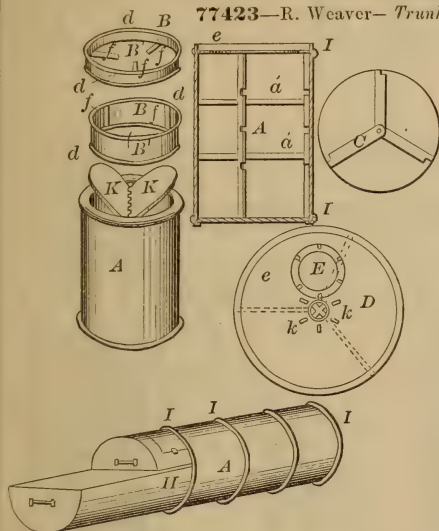
77419—J. S. Upton—Grain Separator.



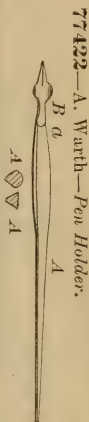
77421—H. S. Walcott—
Boot and Shoe Stud.



77423—R. Weaver—Trunk.

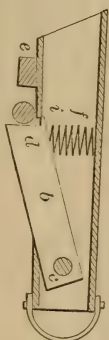
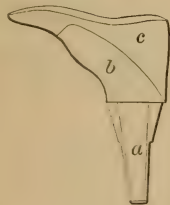
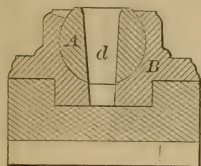


77424—W. N. Weedon—Tag Fastener.



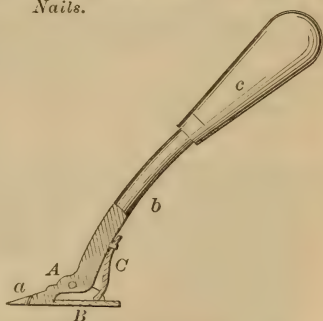
77422—A. Warth—Pen Holder.

77425—G. M. Wells—
Last Holder or Jack.

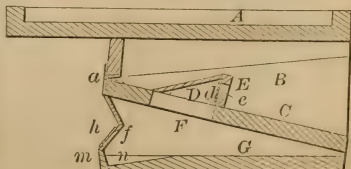


77426—R. C. Whitehouse—Clevis.

77427—E. P. Whitney—For Drawing
Nails.



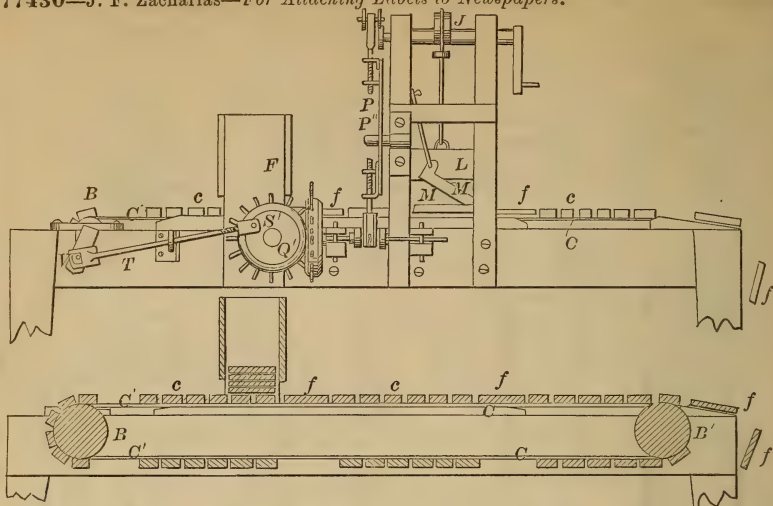
77428—A. W. Wilcox—Bellows
for Reed Musical Instruments.



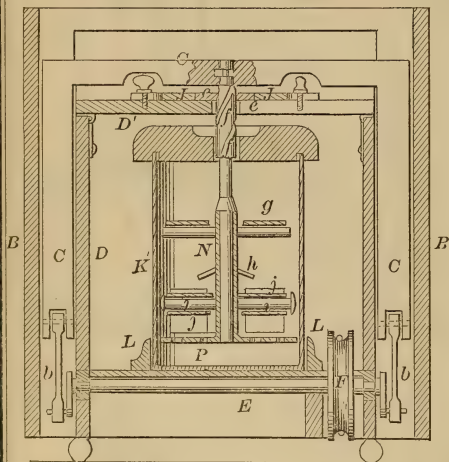
77429—G. D. Wilcox—Mucilage Brush.



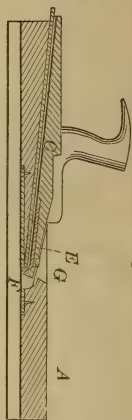
77430—J. F. Zacharias—For Attaching Labels to Newspapers.



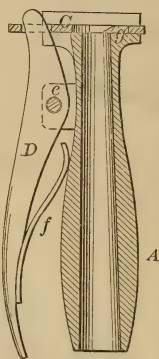
77431—C. H. Elliott—Churn.



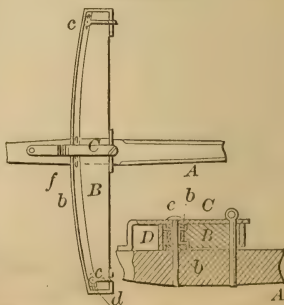
77434—D. E. & A. A. Aikin—Splint Plane.



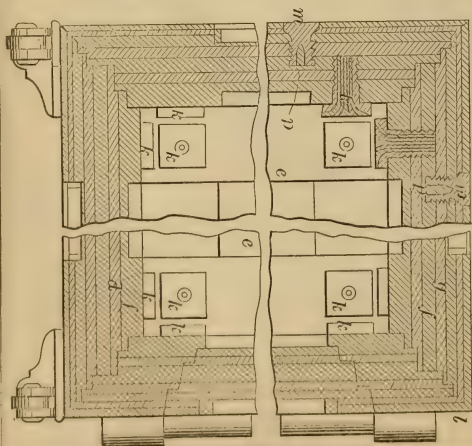
77436—D. Aldrich—Cue Trimmer.



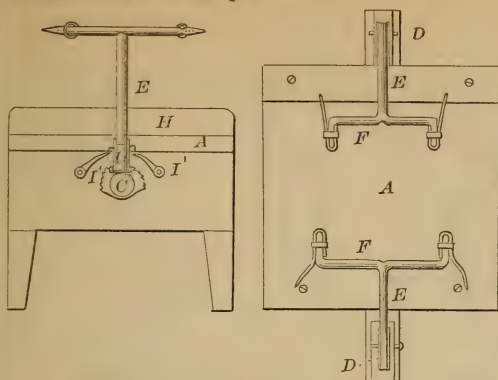
77433—M. Adsit—Draught Attachment.



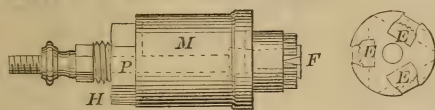
77432—O. Marland—Construction of Sides.



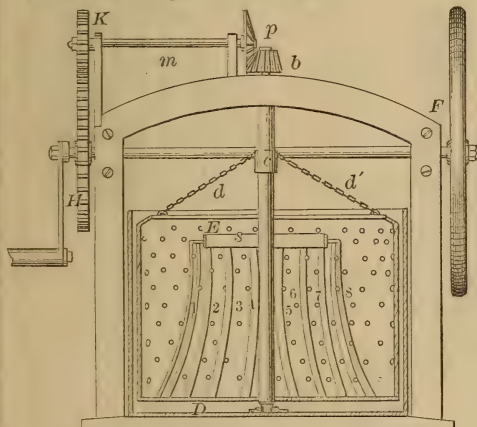
77435—C. Albert—*Sheep Holder.*



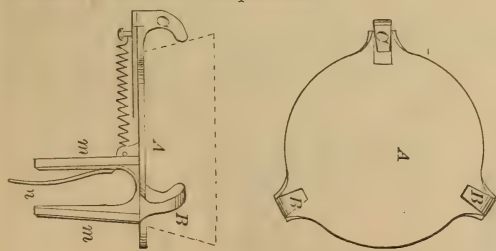
77437—A. F. Allen—*Thimble Puller.*



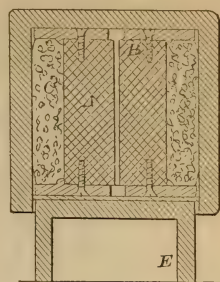
77440—C. Bangs—*Clothes Dryer.*



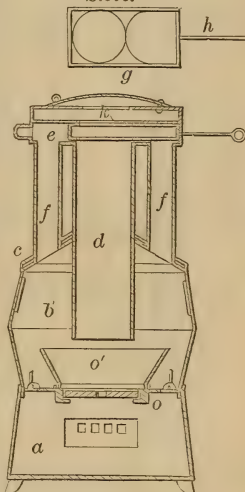
77442—J. D. Blake—*Soap Stand.*



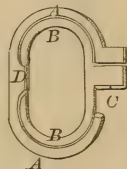
77438—O. E. Allen—*Car Spring.*



77441—W. S. Bronson—*Stove.*



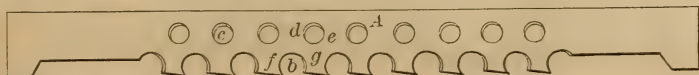
77441—A. H. Bixler—*Open Ring.*



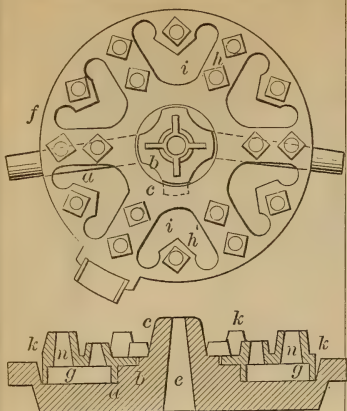
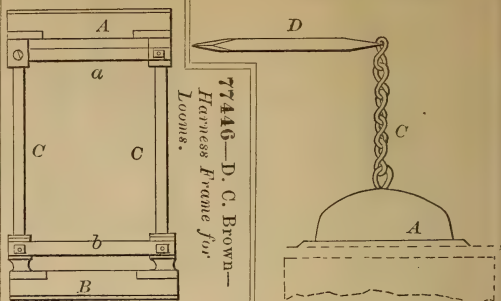
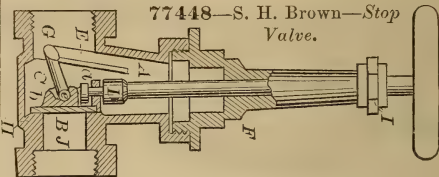
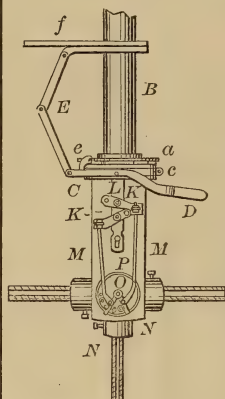
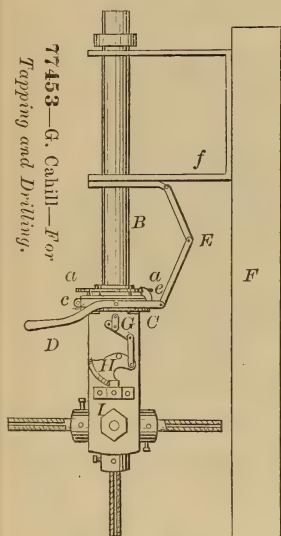
77443—E. Bredt—*Button.*



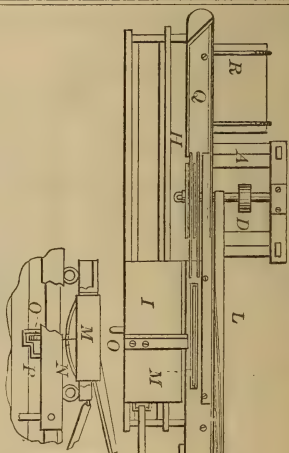
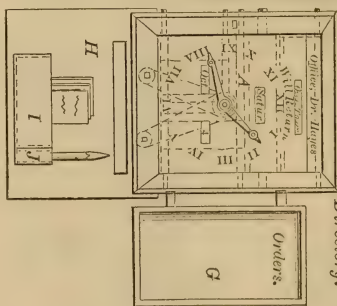
77439—S. Anderson—*Saw.*



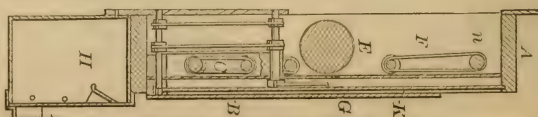
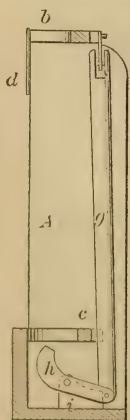
77445—W. S. Bronson—Grate.

77447—F. W. Brown—For
Soldering the Lids of Cans.77446—D. C. Brown—
Harness Frame for
Loons.77448—S. H. Brown—Stop
Valve.77453—G. Cahill—For
Tapping and Drilling.

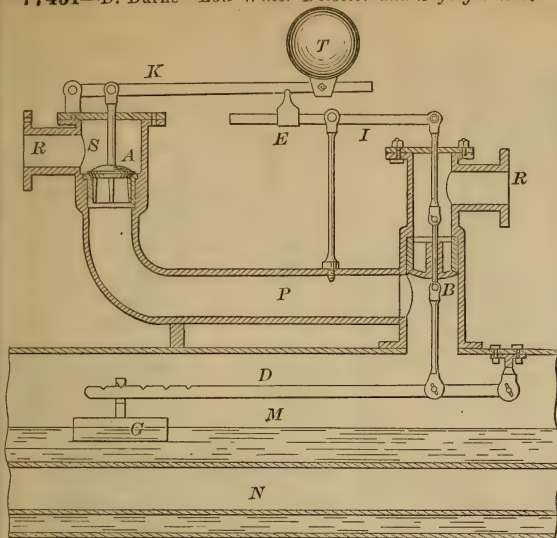
77449—T. Bruno—For Sawing Laths.

77450—L. Burger—Door
Directory.

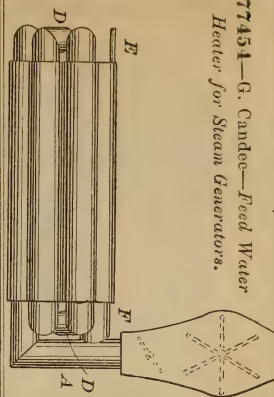
77452—V. H. Buschmann—Billiard Cue Rack.



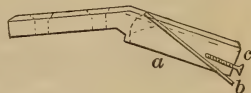
77451—D. Burns—Low Water Detector and Safety Valve.



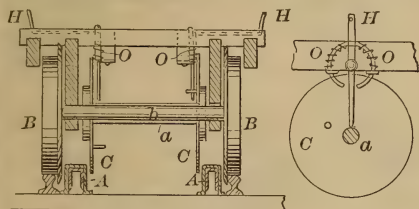
77454—G. Candee—Feed Water Heater for Steam Generators.



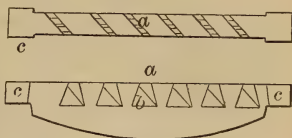
77455—C. P. Carter—For Sharpening Watch Wood.



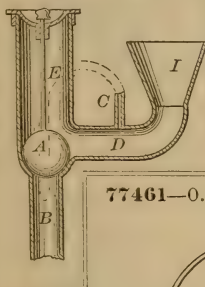
77456—Christian & Gunn—Railroad.



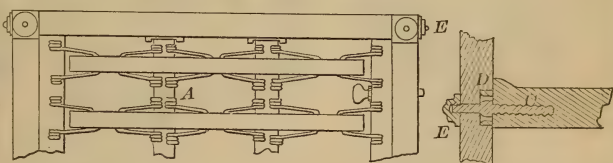
77458—H. Collinson—Grate Bar.



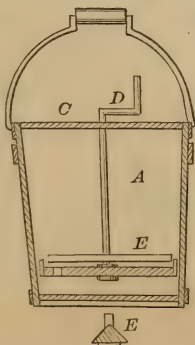
77459—G. Conron—Water Closet.



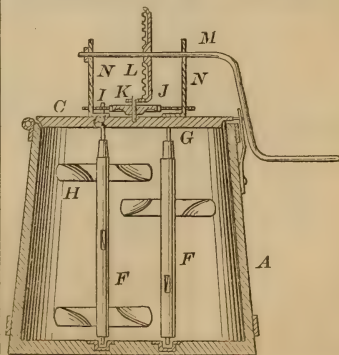
77457—J. C. Clime—Bedstead Fastener.



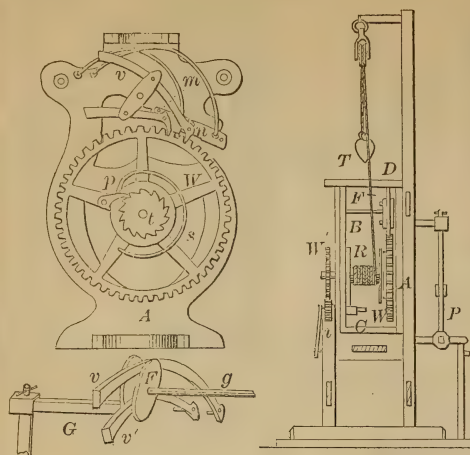
77461—O. H. Cooke—Potato Washer.



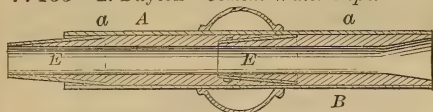
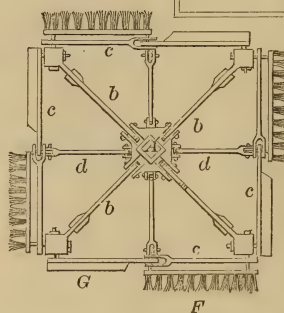
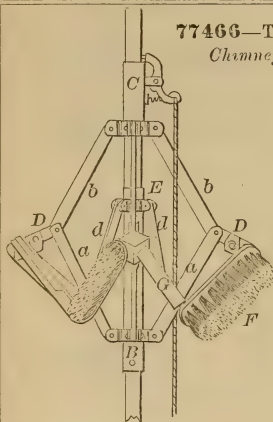
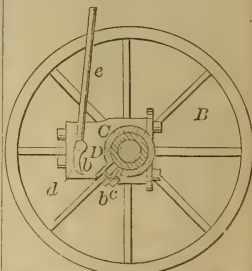
77460—A. L. Converse—Churn.



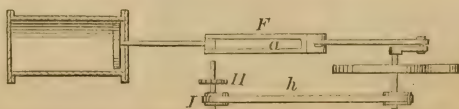
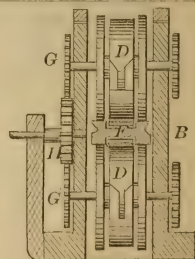
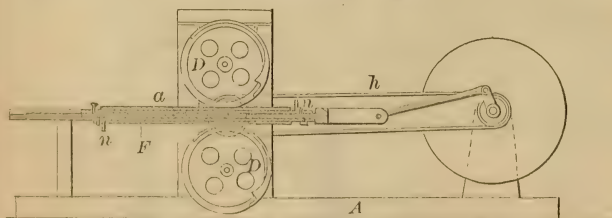
77462—A. B. Corby—Churn.



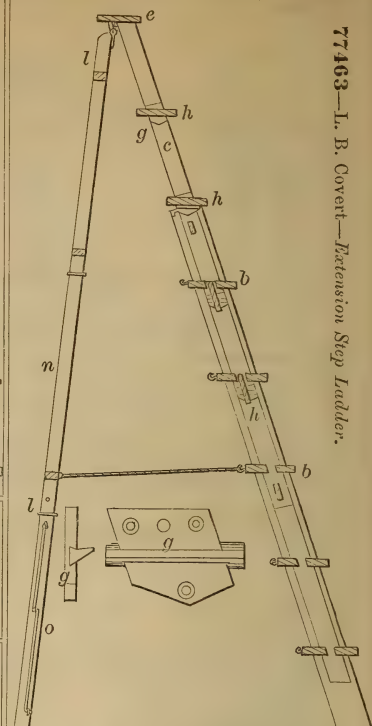
77465—E. Dayton—Cement Water Pipe.

77466—T. H. Donohue—
Chimney Cleaner.77467—C. Ducreux—
Wagon Brake.

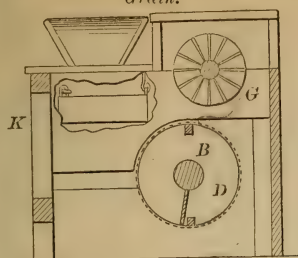
77464—J. P. Davis—Mechanical Movement.



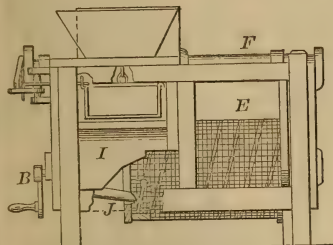
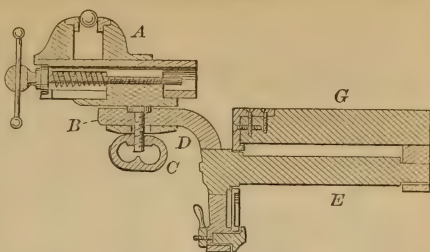
77463—L. B. Covert—Extension Step Ladder.



77468—M. Eckley—For Cleaning Grain.

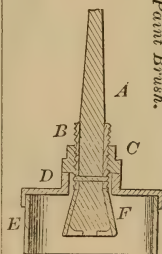


77472—I. Fisher—Vise.

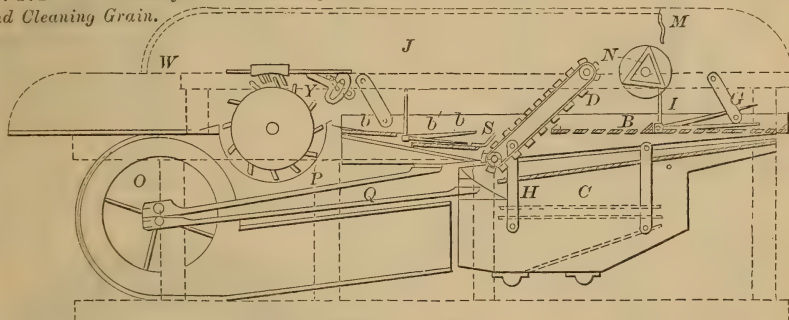
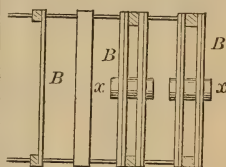


77471—W. B. Emery—For Threshing and Cleaning Grain.

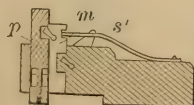
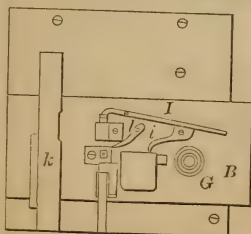
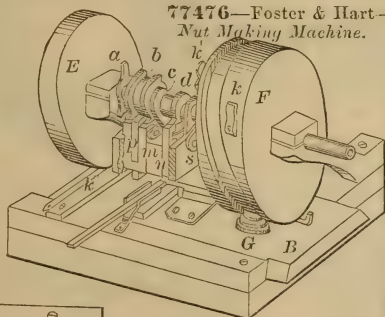
77475—W. H. Forker—
Paint Brush.



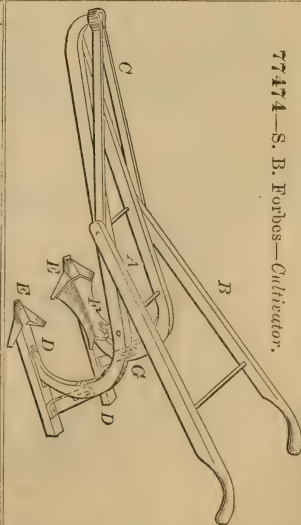
77473—W. A. Flanders—
Behve.



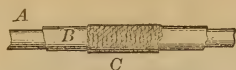
77476—Foster & Hart—
Nut Making Machine.



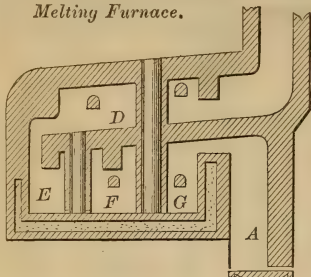
77474—S. B. Forbes—Cultivator.



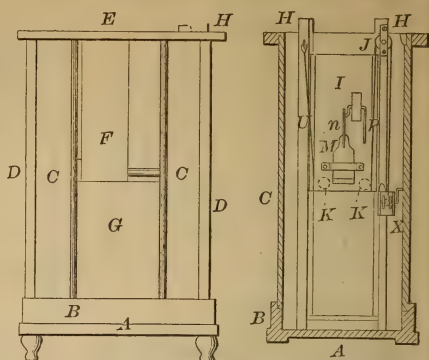
77477—J. R. Gillett—Whip.



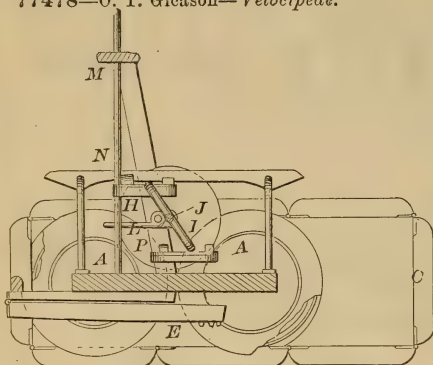
77479—L. B. Goodhue—Glass Melting Furnace.



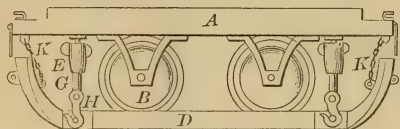
77480—J. Gourlay—Portable Bath House.



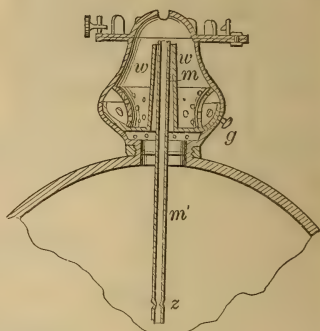
77478—O. T. Gleason—Velocipede.



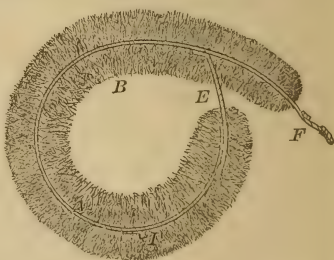
77485—J. J. Herrick—Street Car.



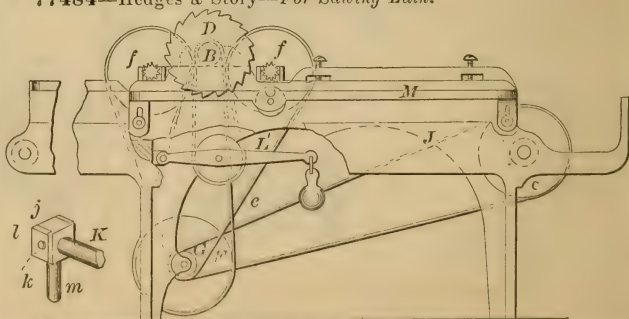
77481—Gracie & Boyd—Lamp Burner.



77483—E. H. Hart—Fur Cuff.

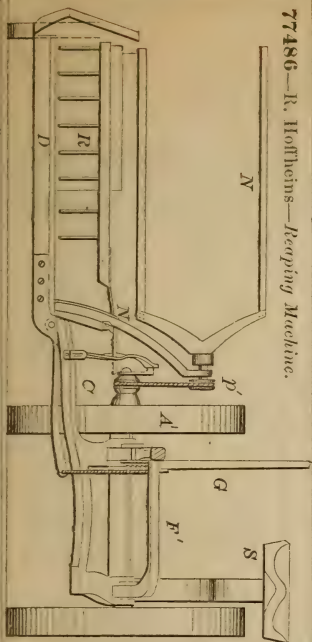


77484—Hedges & Story—For Sawing Lath.

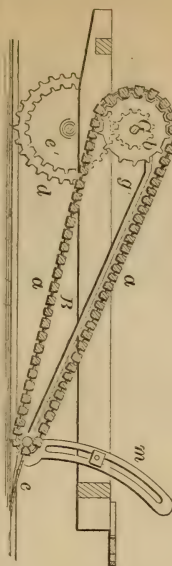


77482—H. S. Griffiths—Suspension Ring.



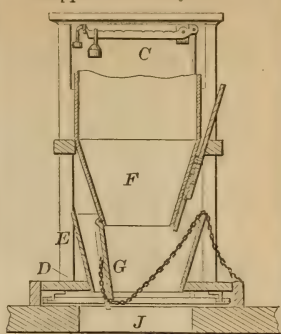


77486—K. Hoffheims—Reaping Machine.

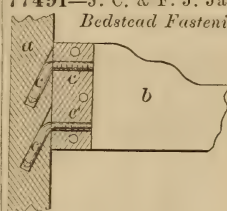


77487—Howard & Avery—Ditching and Grading Machine.

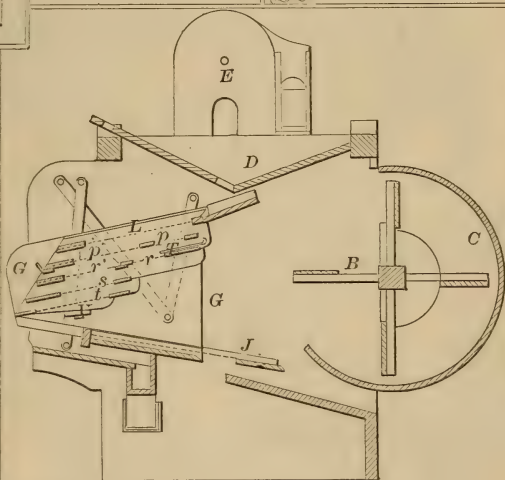
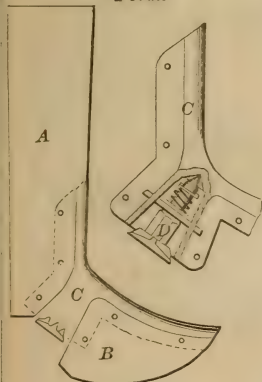
77488—F. E. & L. I. Howe—Hopper and Platform Scales.



77491—J. C. & F. J. Jackson—Bedstead Fastening.

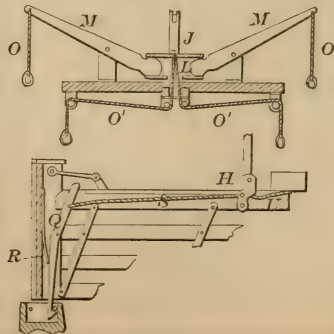
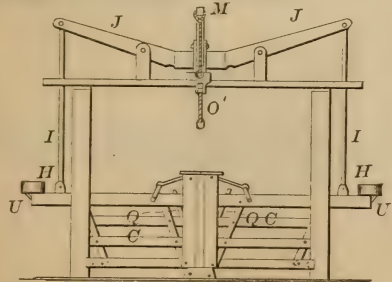


77489—J. Howe—Boot Form.

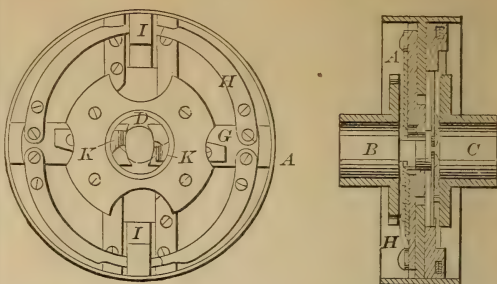


77490—S. S. Harburt—Grain Separator.

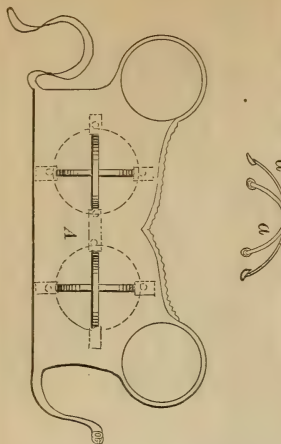
77492—J. S. Jewett—Fence Gate.



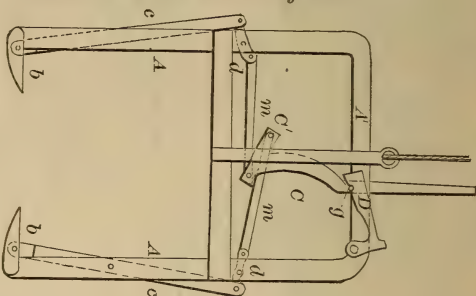
77495—S. U. King—Wood Turning Lathe.



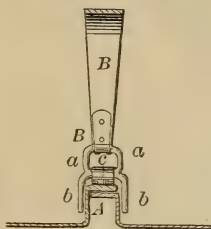
77493—A. H. Johnson—Rosin Pad.



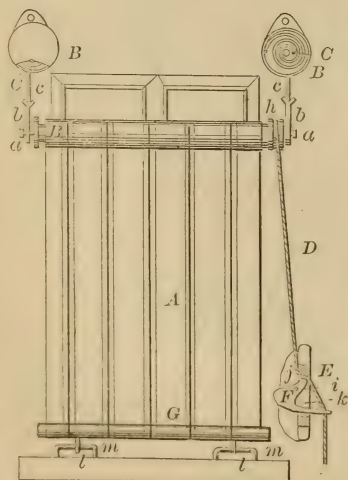
77496—H. Krafft—Horse Hay Fork.



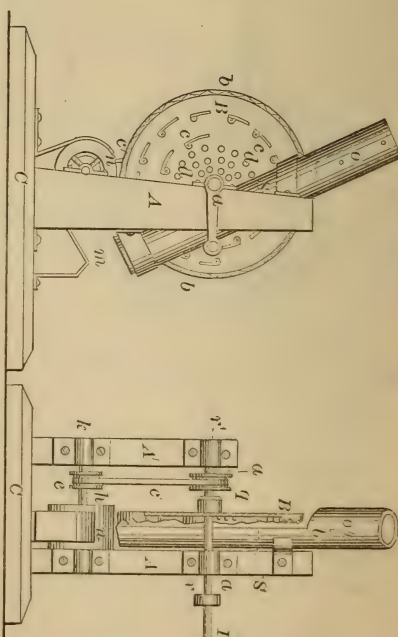
77497—J. Lagowitz—Traveling Bag.



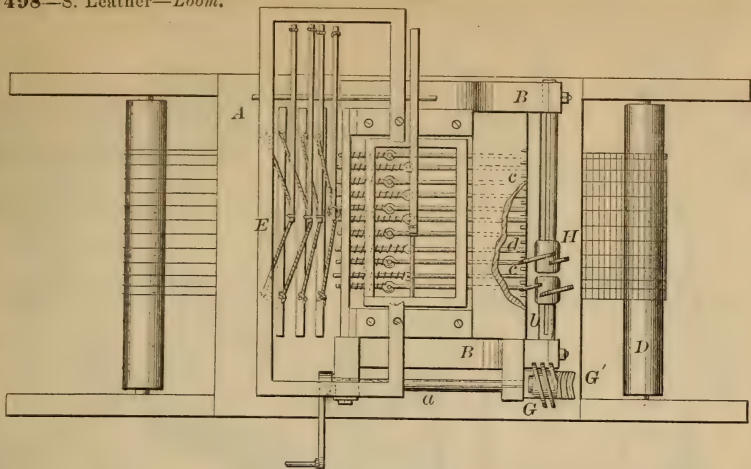
77499—J. D. & I. W. Legg—Curtain Fixture.



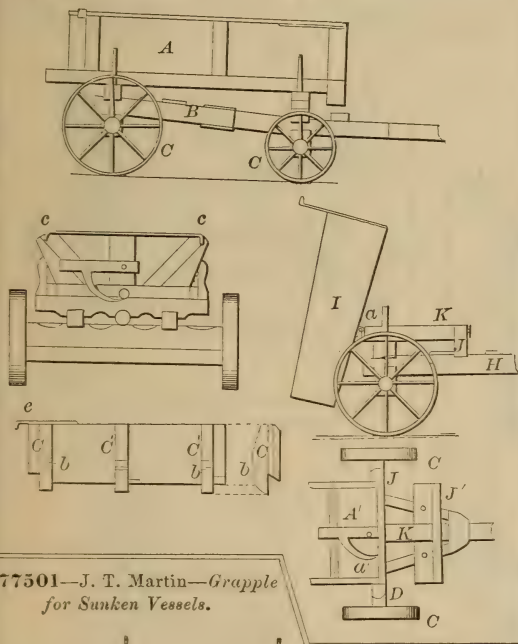
77494—M. Jones—Corn Husker, Sheller, &c.



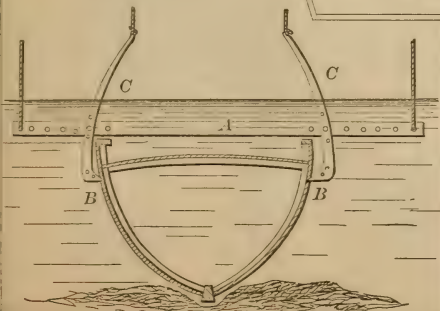
77498.—S. Leather—*Loom.*



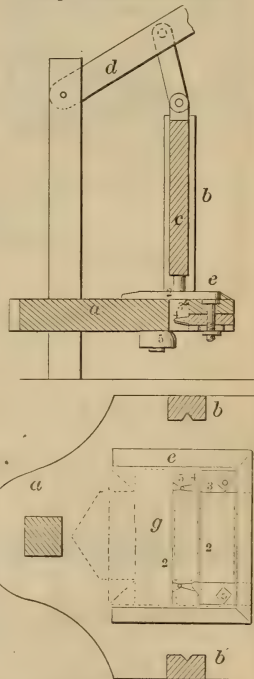
77500—C. Mahan—*Farm Wagon.*



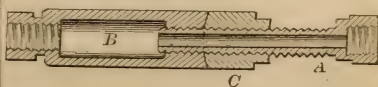
77501—J. T. Martin—*Grapple
for Sunken Vessels.*



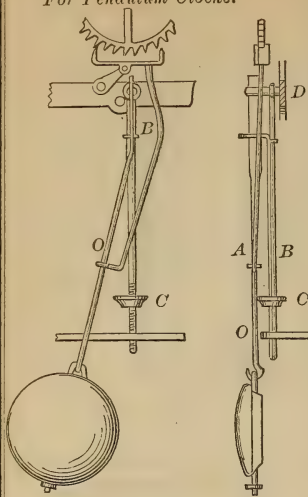
77502—C. O. Maxfield—*For
Forming Pasteboard Boxes.*



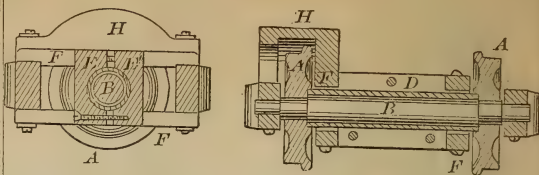
77503—J. McCarthy—*Pipe Coupling.*



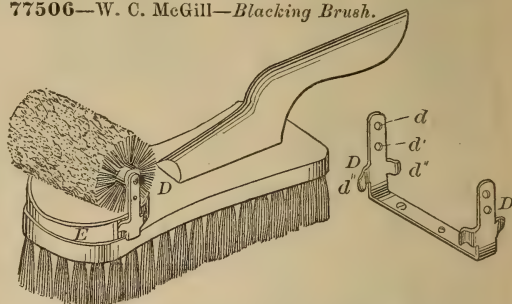
77504—O. P. McDonald—*For Pendulum Clocks.*



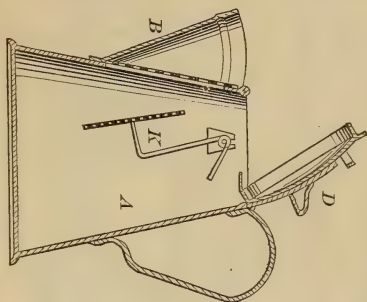
77505—D. McFarland—*Railroad Truck.*



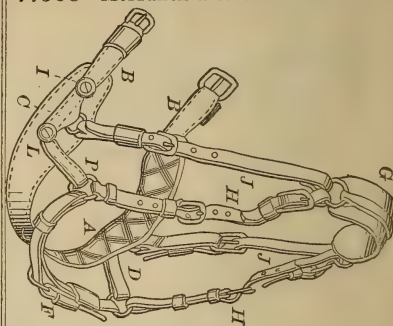
77506—W. C. McGill—*Blacking Brush.*



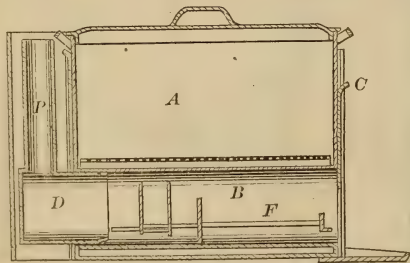
77507—S. McGuffin—*Coffee and Tea Pot.*



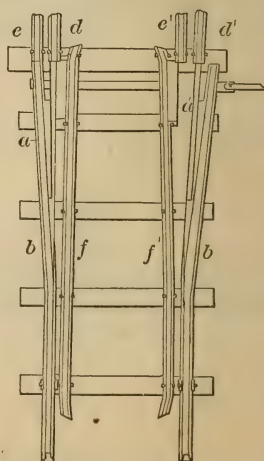
77508—McMullen & Rock—*Harness.*



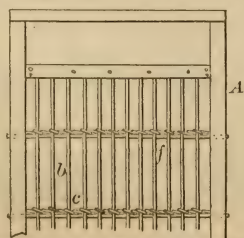
77511—J. C. Merrell—*Wash Boiler.*



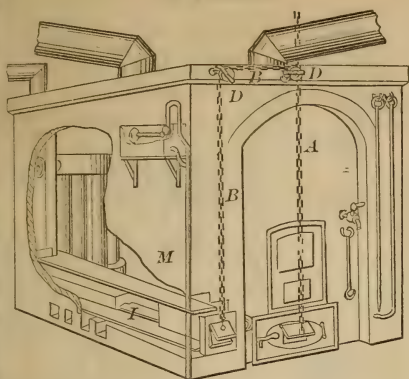
77510—E. Mercier—*Railroad Switch.*



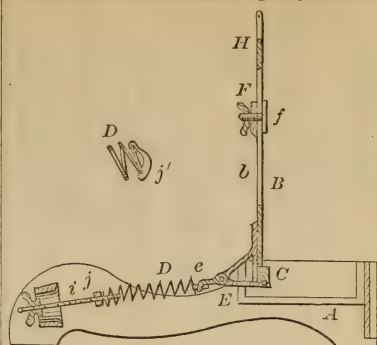
77509—R. McMurray—*Sand Screen.*



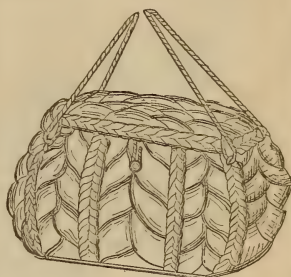
77512—A. H. Mershon—*Damper for Hot Air Furnaces.*



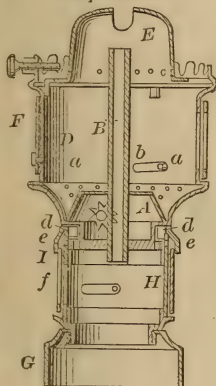
77513—H. F. Metzler—*Spring Horse.*



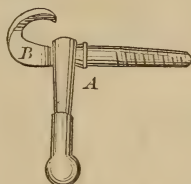
77516—S. P. P. Miller—*Basket.*



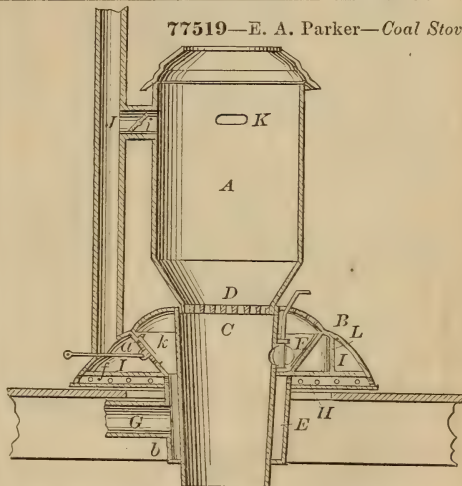
77514—Miles & Remsen—*Lamp Burner.*



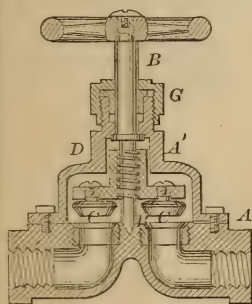
77515—G. L. Miller—*Trace Hook.*



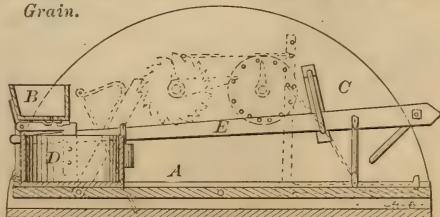
77519—E. A. Parker—*Coal Stove.*



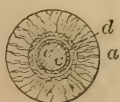
77517—Moore & Howes—*Steam Globe Valve.*



77521—W. H. Pfrimmer—*Measuring and Registering Grain.*



77518—J. Moulton—*Manufacture of Elastic Rolls.*



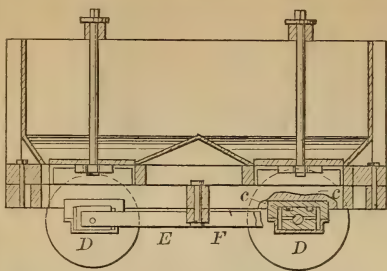
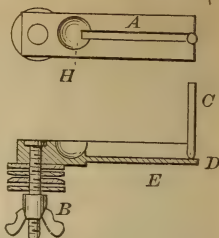
77520—J. R. & D. W. Perry—*Railroad Car Truck.*77527—O. H. Reed—*Guide Gauge for Printing Presses.*

Fig. 6

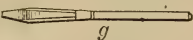
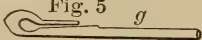
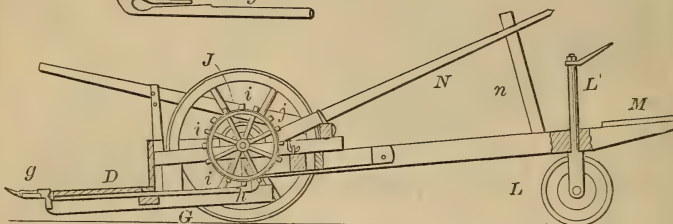
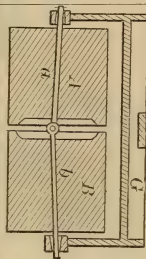
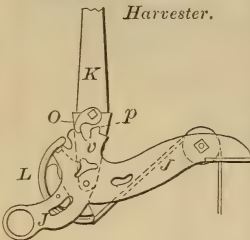
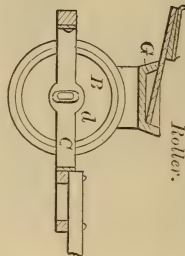
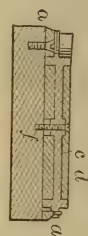
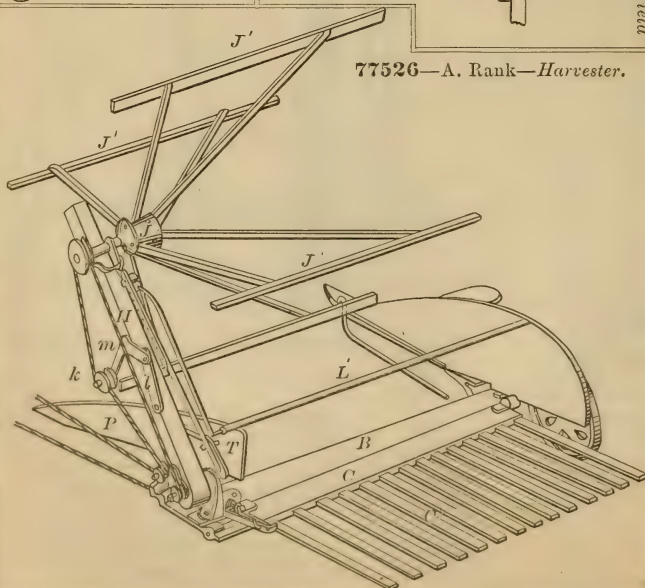
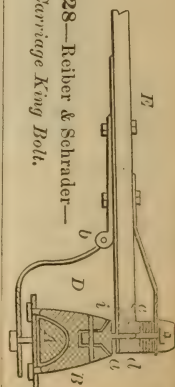
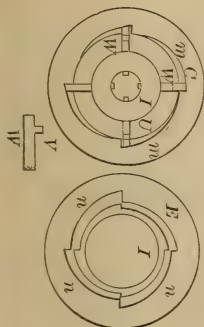
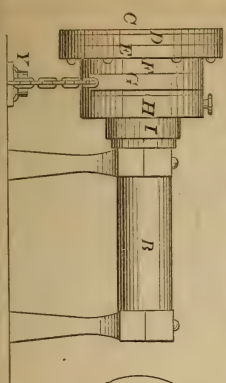


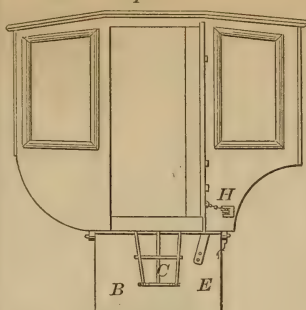
Fig. 5

77524—J. Ramsey—*Harvester.*77525—A. Rank—*Harvester.*77523—D. R. Prindle—*Field Roller.*77522—F. A. Potter—*Tool Holders.*77529—F. Richardson—*Boot Heel.*77526—A. Rank—*Harvester.*77528—Reiber & Schrader—*Carriage King Bolt.*

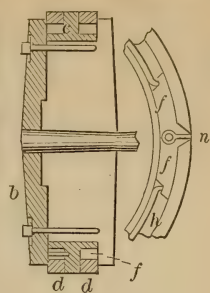
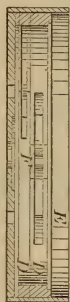
77530—J. II. Richardson—*Screw Cutting Machine.*



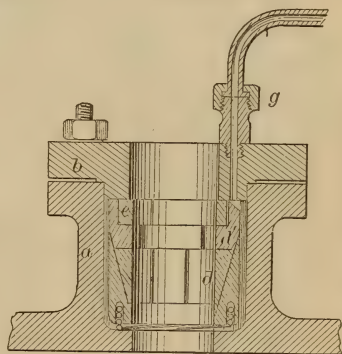
77531—A. Q. Ross—*Carriage
Step Screen.*



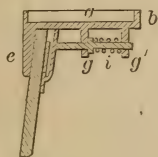
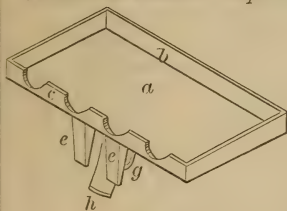
77533—F. J. Roth—
Piston Packing.


77532—F. J. Roth—*Piston Packing*.

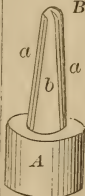
77534—F. J. Roth—*Stuffing Box Packing.*



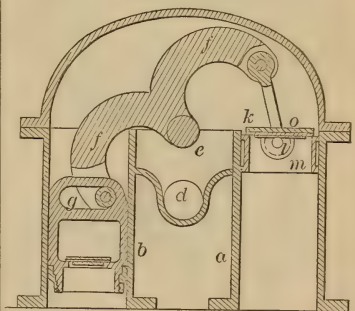
77536—M. Safford—*Soap Holder.*



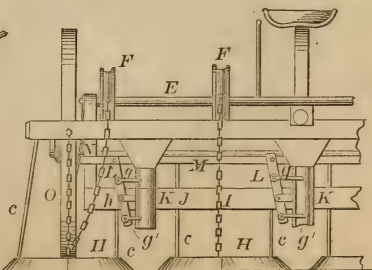
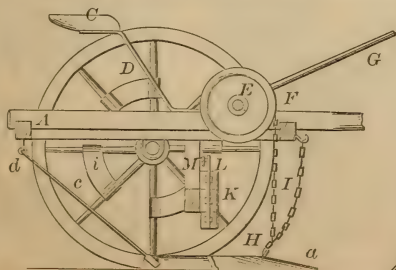
77539—Schevenell & Rembert—*For*
Treating Piles. B a 



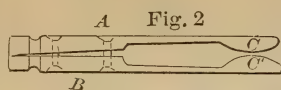
77538—0. Salgee—*Pump Piston.*



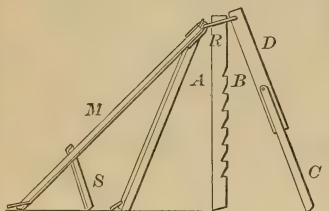
77535—C. Rubbles—*Planter and Cultivator.*



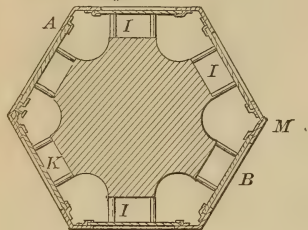
77540—E. Seaver—Clothes Pin.



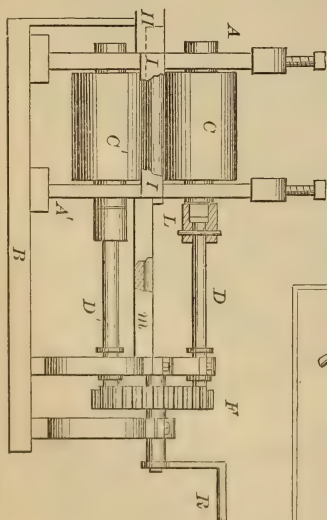
77541—J. Sheldon—Derrick.



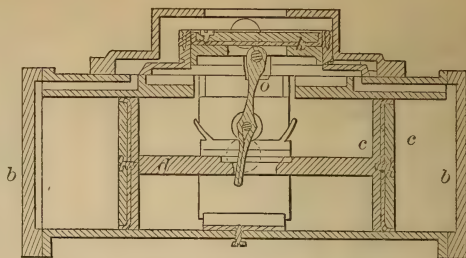
77545—J. Sonnedecker—Advertising Frame.



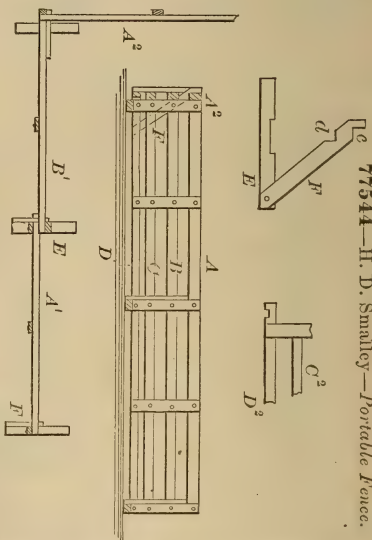
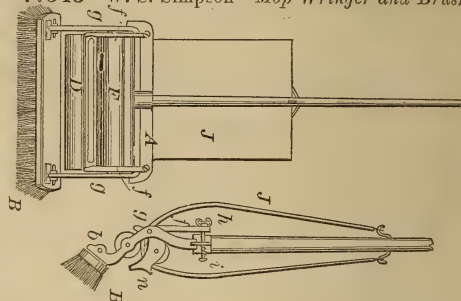
77546—J. Stackhouse—Polishing Machine.



77542—G. Sickels—Water Meter.

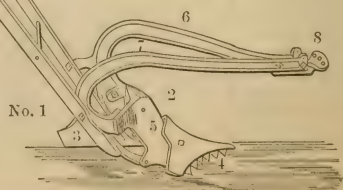


77543—W. S. Simpson—Mop Wringer and Brush.



77544—H. D. Smalley—Portable Fence.

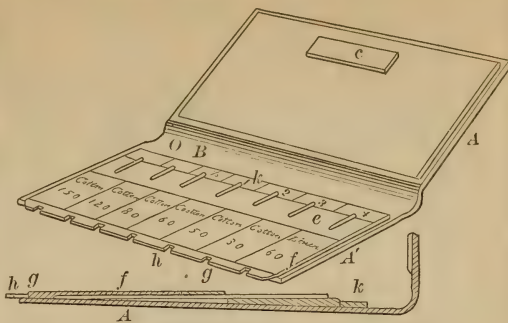
77547—P. H. Starke—Plow.



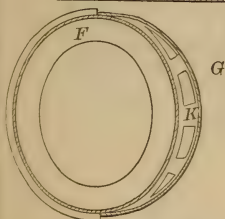
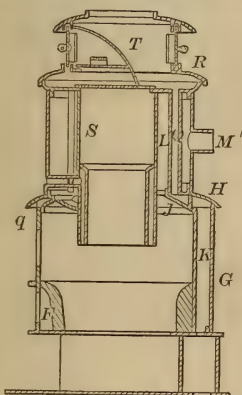
77548—J. & J. Stock—Chair.



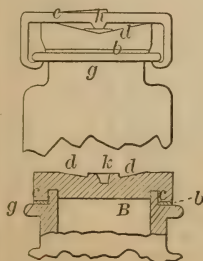
77551—J. F. Umpleby—Needle Book.



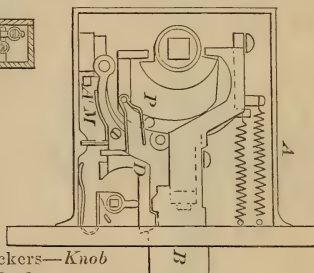
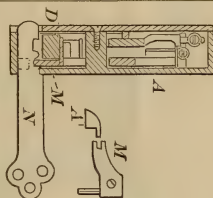
77549—Stuart & Bridge—Stove.



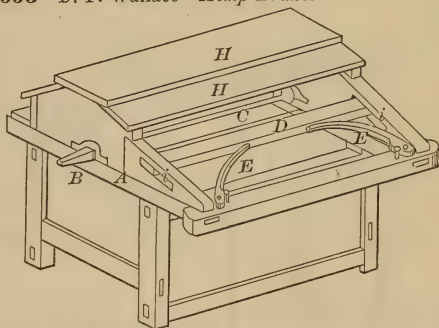
77555—J. Weidig—Fruit Jar.



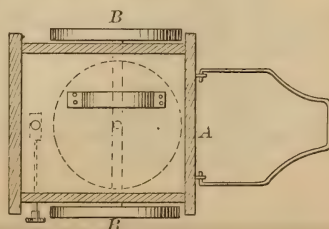
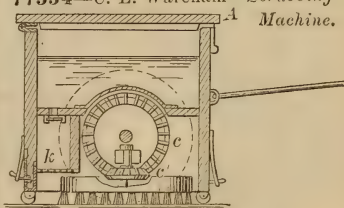
77552—J. H. Vickers—Knob Latch and Lock.



77553—D. F. Wallace—Hemp Brake.



77554—C. E. Warcham—Scrubbing Machine.



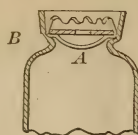
77550—C. H. Thurston—Attaching Knobs to Screws.



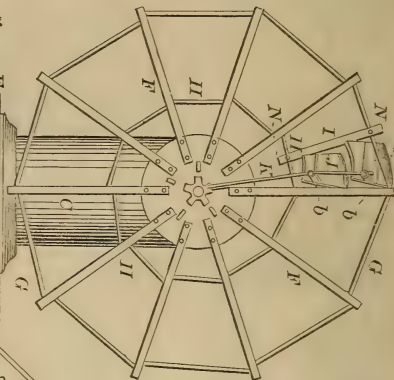
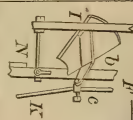
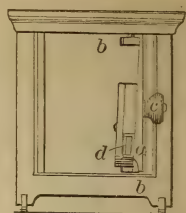
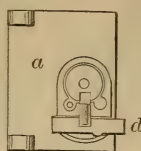


77556—M. M. Wells—Grain Rake.

77559—Worcester & Brown—Fruit Jar.

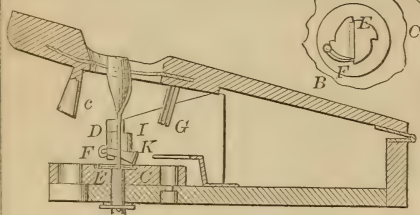


77560—A. & G. F. Wright—Toy Safe and Puzzle Lock.

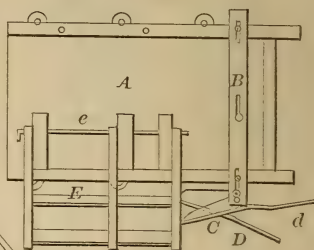


77557—J. A. Wheeler—Wind Mill.

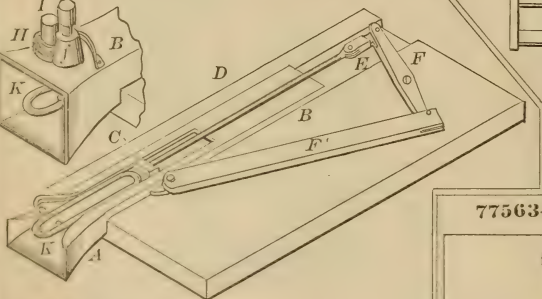
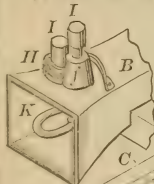
77561—R. Wright—Cherry Stoner.



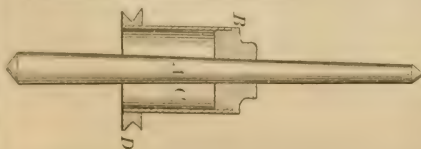
77562—P. C. Yost—Corn Harvester.



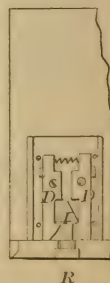
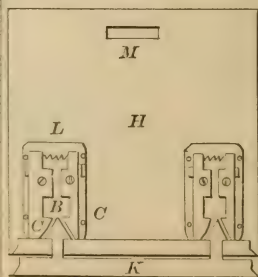
77558—N. Whitten—Car Coupling.



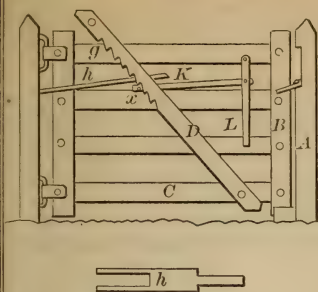
77566—E. Attwood—Spindle.



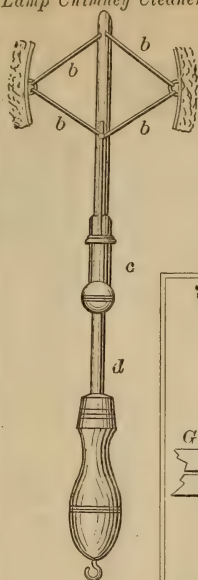
77563—A. W. Adams—Meter Safe.



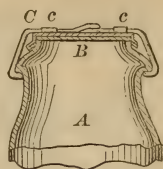
77564—J. Adams—Gate.



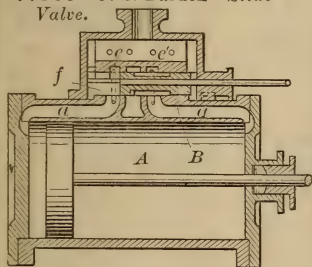
77567—L. J. Baker—
Lamp Chimney Cleaner.



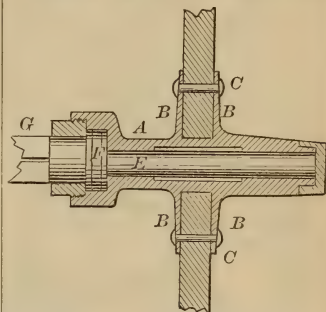
77570—T. E. Batterson—
Fruit Jar.



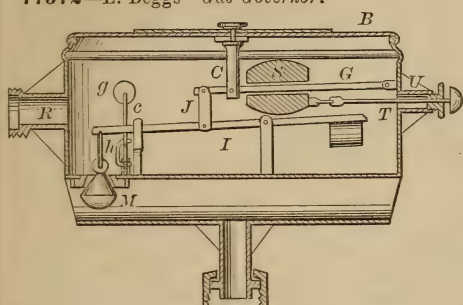
77569—J. S. Barden—Slide
Valve.



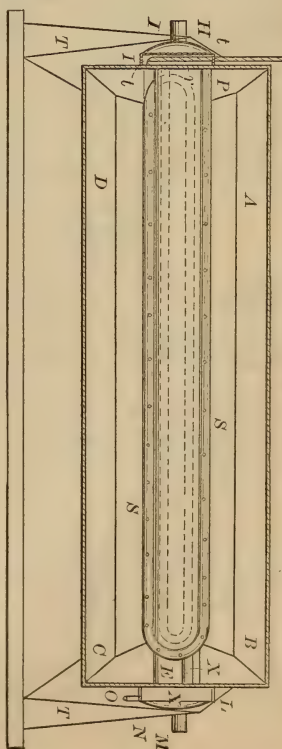
77568—W. W. Ball—Metal Hub.



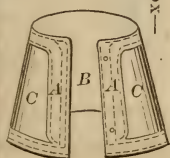
77572—E. Beggs—Gas Governor.



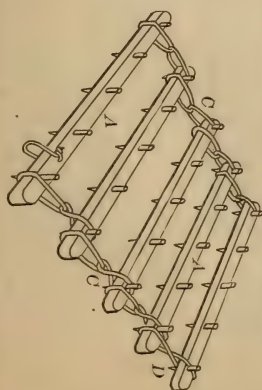
77571—H. J. Beckwith—For
Cleaning Leathers.

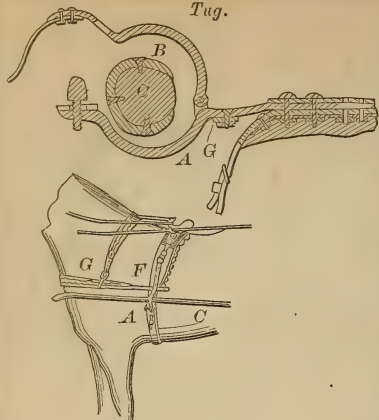
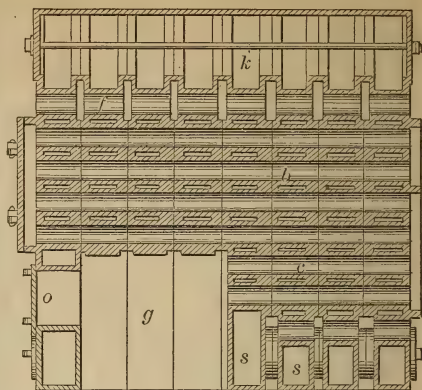
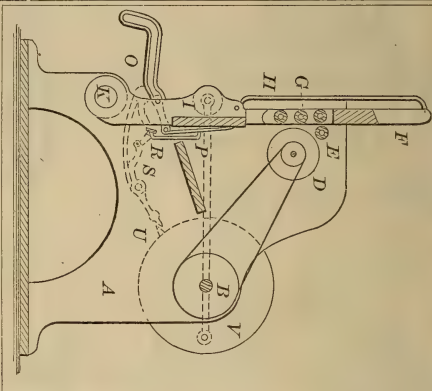
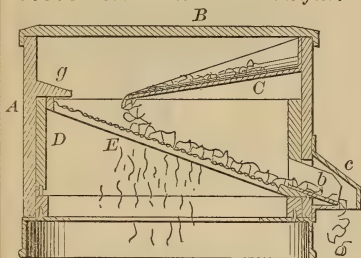
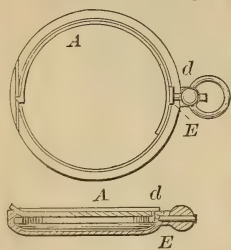
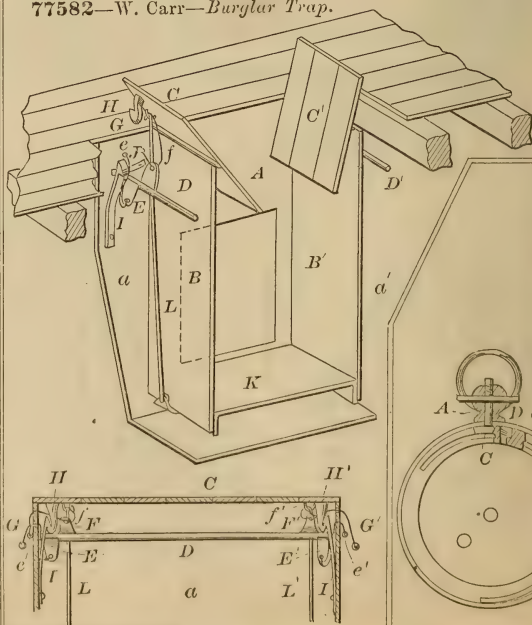
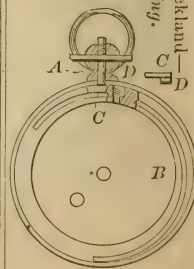
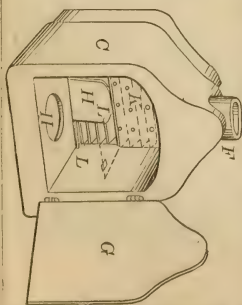


77573—Blakey & Fox—
Collar and Cuff.



77574—C. D. Blinn—Flexible
Harrow.



77575—H. Bowers—*Draught and Shaft Tug.*77576—J. Bradley—*Boiler for Heating.*77578—C. Breasted—*Barrel Sifter.*77577—W. Braidwood—*Printing Press.*77579—E. H. Buckland—*Watch Case Spring.*77582—W. Carr—*Burglar Trap.*77580—E. H. Buckland—*Watch Case Spring.*77581—E. Bussey—*Oven.*

77584—Clarke & Edson—Steam Engine Register.

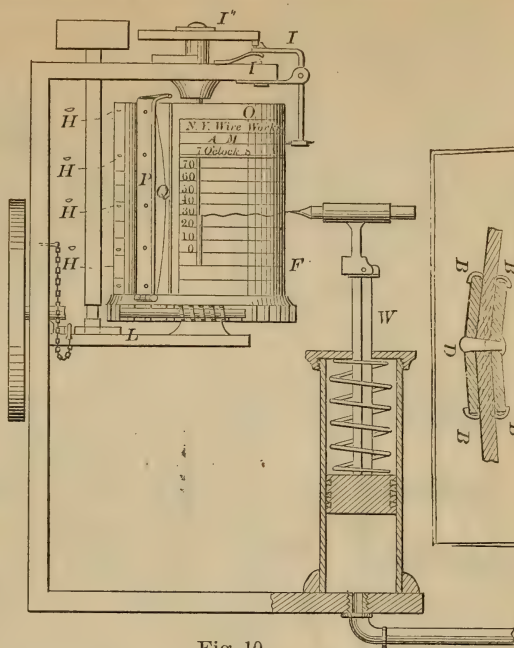
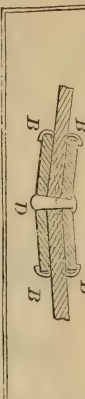
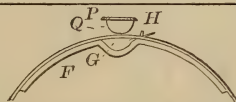
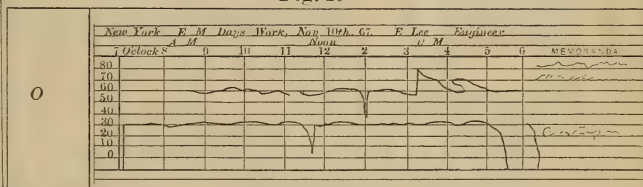
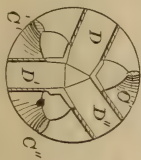


Fig. 10

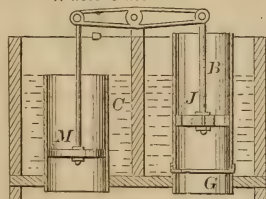
77589—W. F. Converse—Portable Fence.



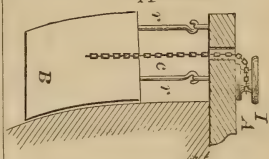
77583—S. E. Clapp—Biscuit Cutter.



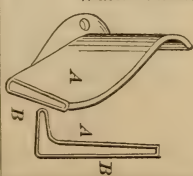
77586—J. R. Clarke—Waste Gate.



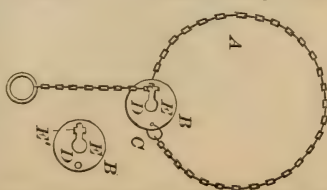
77590—W. H. Conway—Steering Apparatus.



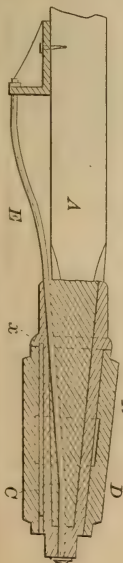
77588—J. P. Collins—Water Wheel.



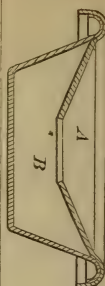
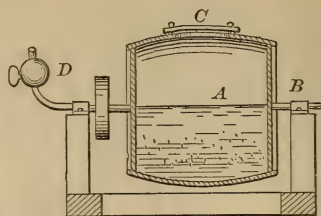
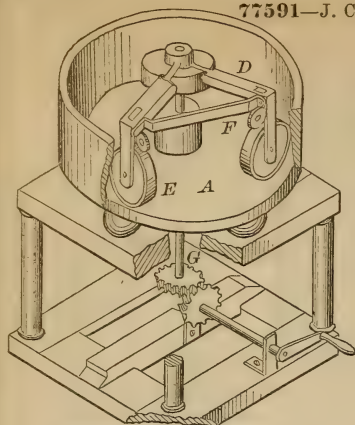
77587—L. H. Colburn—Bag Fastener.



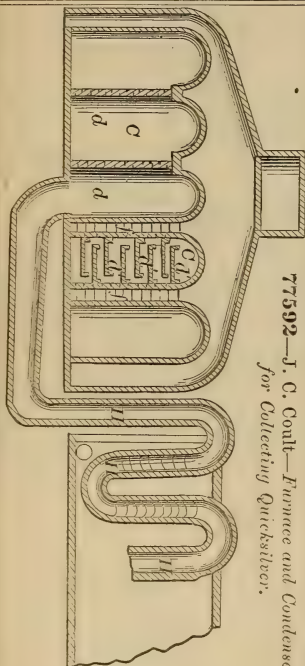
77585—G. E. Clarke—Stein and Axle Box.



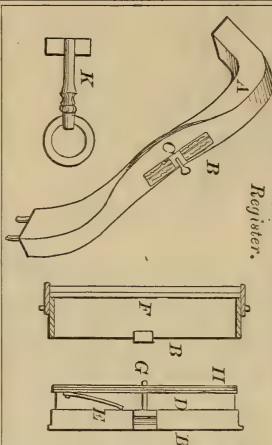
77591—J. Corson—Collecting Metals from Ores.



77594—F. E. Darrow—Spilltoon.

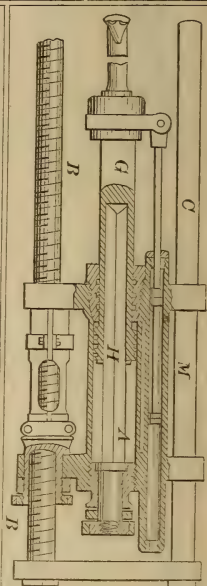
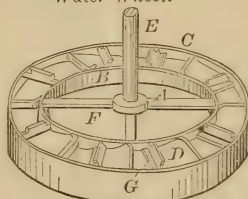


77592—J. C. Coale—Furnace and Condenser for Collecting Quicksilver.

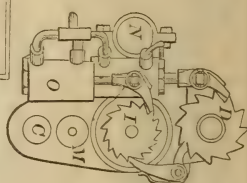


77593—S. F. Covington—Railroad Fuse Register.

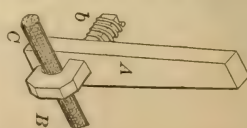
77595—Dewey & Fosdick—Water Wheel.



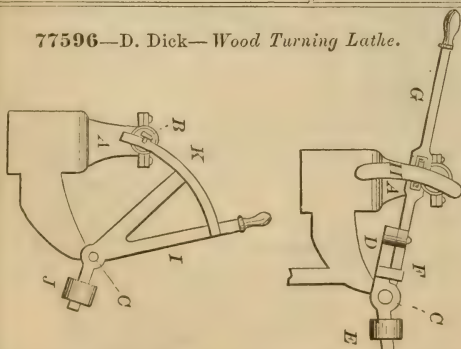
77597—F. B. Doering—Rock Drilling Machine.



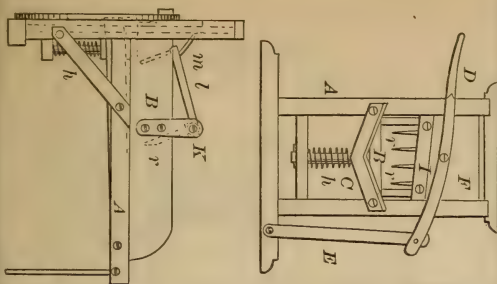
77598—W. M. Doty—Clothes Pin.



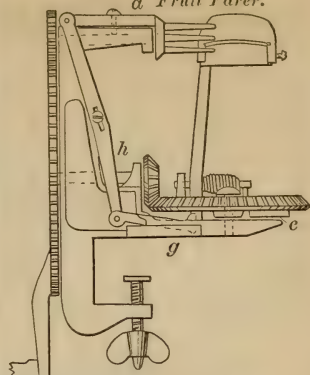
77596—D. Dick—Wood Turning Lathe.



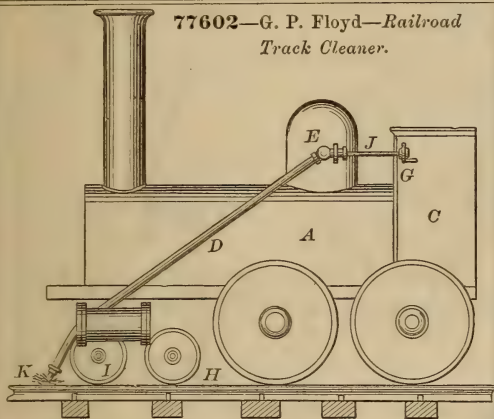
77599—G. A. Edwards—*Straw Cutter.*



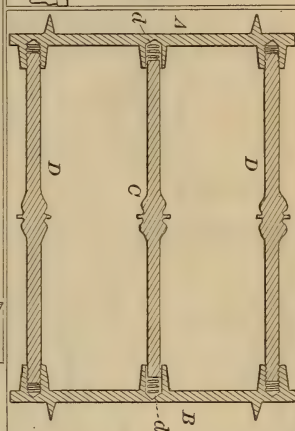
77600—Farewell & Goddard—*a Fruit Parer.*



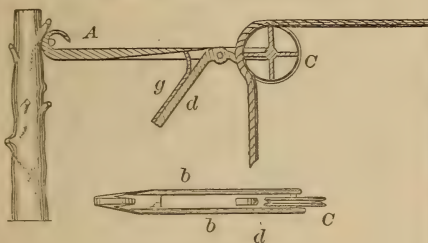
77602—G. P. Floyd—*Railroad Track Cleaner.*



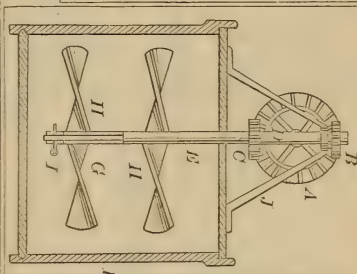
77603—J. F. Ford—*Window Sefcy Guard.*



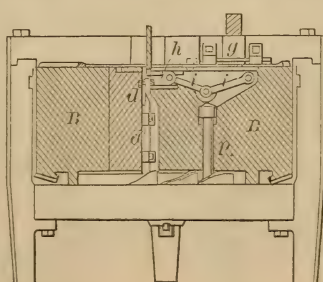
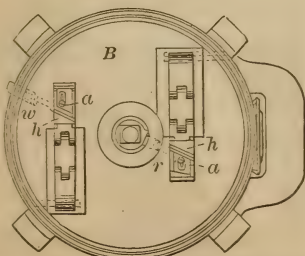
77605—E. H. Gray—*Clothes Line Hook.*

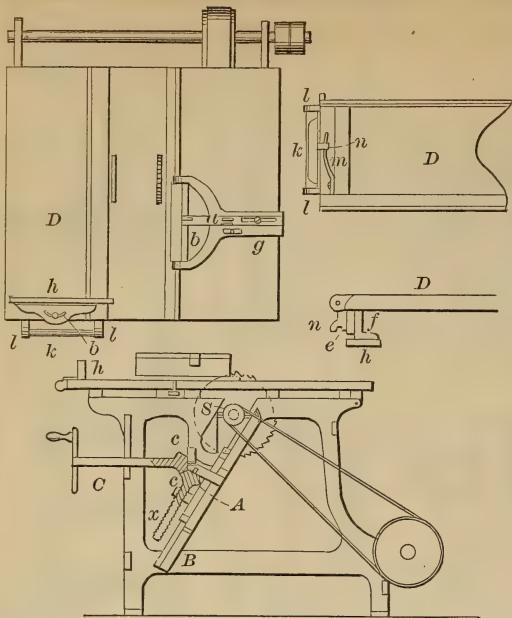
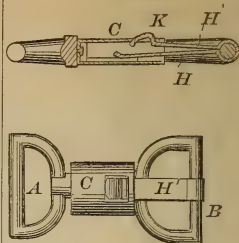
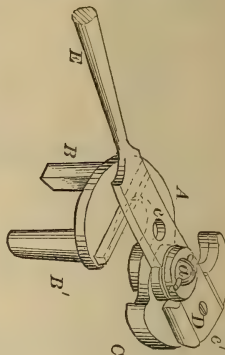
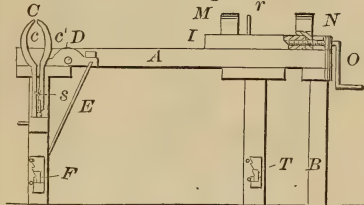
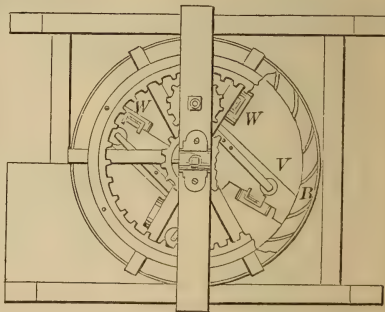
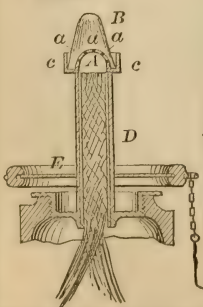
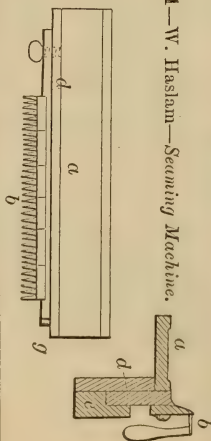


77601—J. E. Finley—*Churn.*

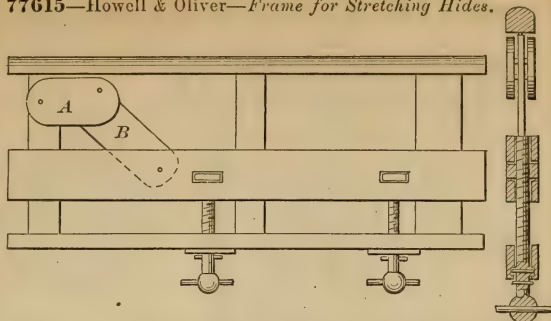
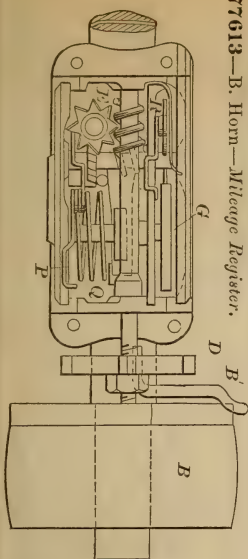


77604—R. C. Grant—*Nail Machine.*

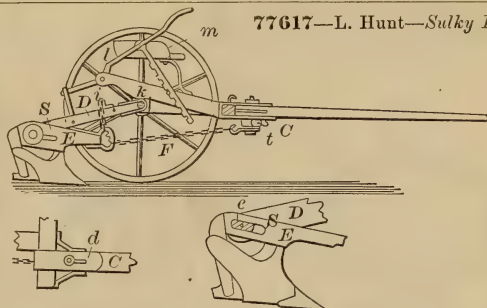


77606—J. B. Grosvenor—*Sawing Machine.***77608**—Hale & Hall—*Rein Shackle.***77610**—E. A. Hall—*Floor Clamp.***77607**—Hahn & Vogler—*Bench.***77609**—A. J. Hall—*Water Wheel.***77612**—Hopkins & Anderson—*Vapor Burner.***77611**—W. Haslam—*Seaming Machine.*

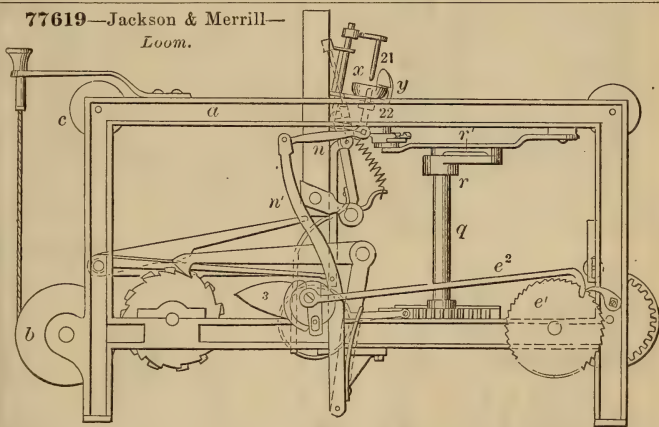
77615—Howell & Oliver—*Frame for Stretching Hides.*

77613—B. Horn—*Mileage Register.*

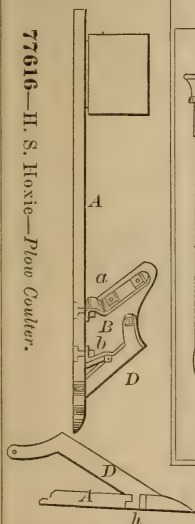
77617—L. Hunt—*Sulky Plow.*'



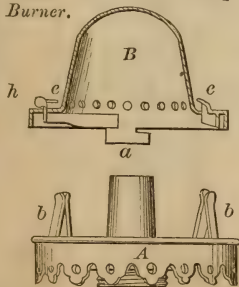
77619—Jackson & Merrill—
Loom.



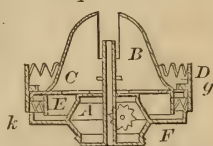
77616—H. S. Hoxie—*Plow Coulter*.



77620—M. Jincks—*Lamp
Burner.*



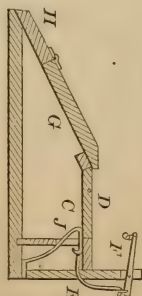
77614—W. W. Horton—
Lamp Burner.



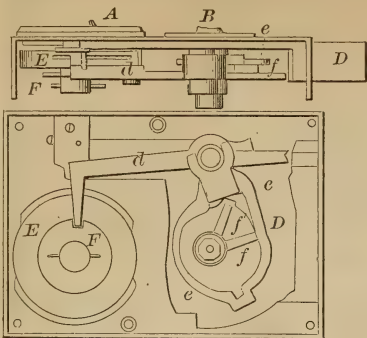
77621—D. A. Jones—*Tweezers,
Watch Key, &c.*



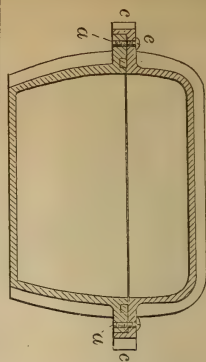
77622—P. W. King—*Animal Trap.*



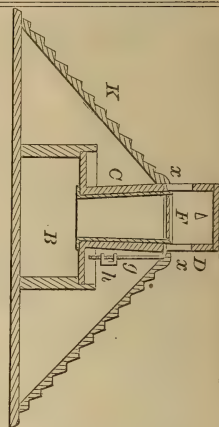
77623—J. Klein—Permutation Lock.



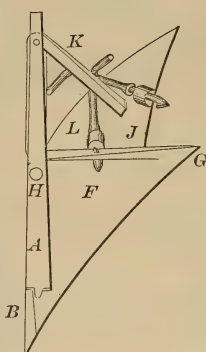
77627—P. F. Lawshe—Self-Sealing Burial Case.



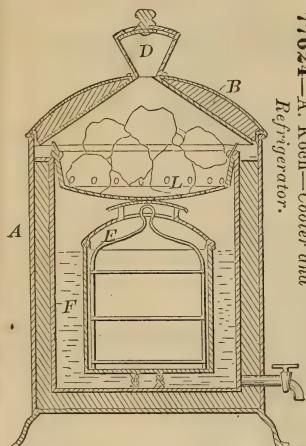
77631—W. C. Marquis—Rat Trap.



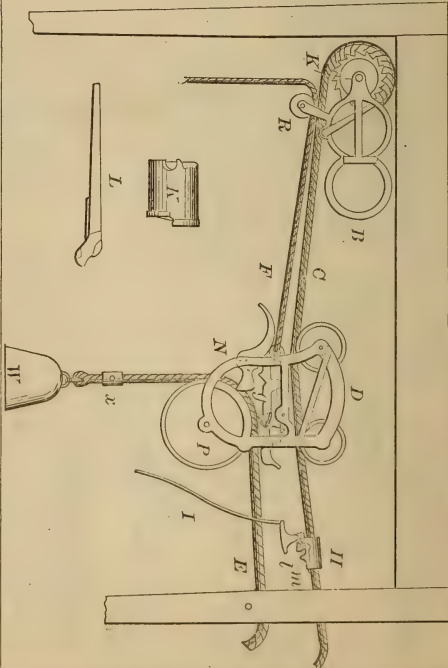
77630—D. A. Manuel—Side Hill Plow.



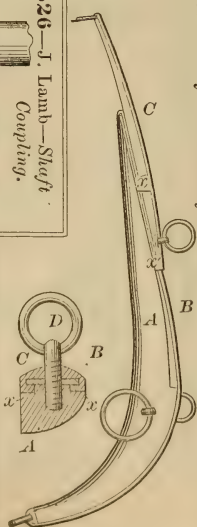
77624—A. Koch—Cooler and Refrigerator.



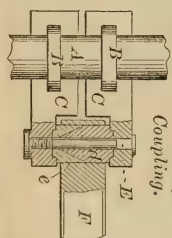
77629—A. D. Manley—Hoisting and Transferring Pulley.



77625—Lacey & Woodbury—Hinges.



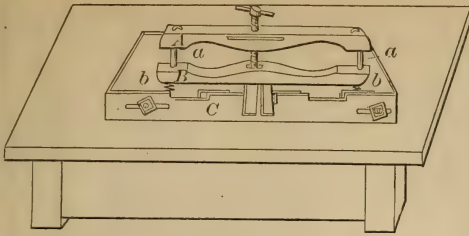
77626—J. Lamb—Shaft Coupling.



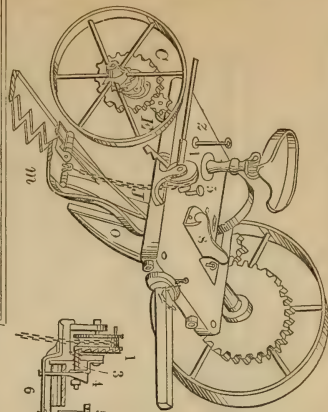
77628—L. D. Lothrop—Fishing Tackle.



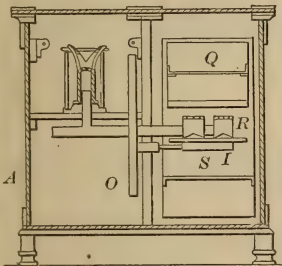
77632—D. S. Marvin—Knife and Fork Scourer.



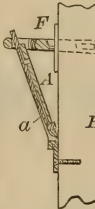
77634—N. F. Mathewson—Honing Machine.



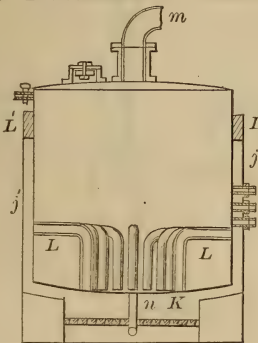
77635—S. T. McDougall—Gas Heater.



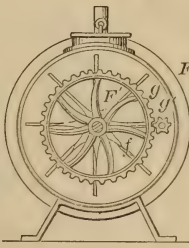
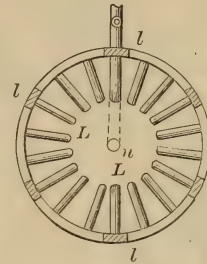
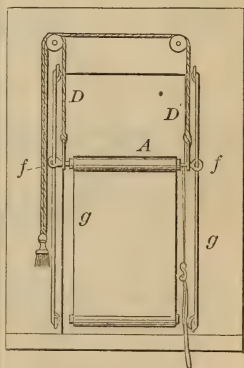
77633—W. K. Marvin—Door Keil Guard.



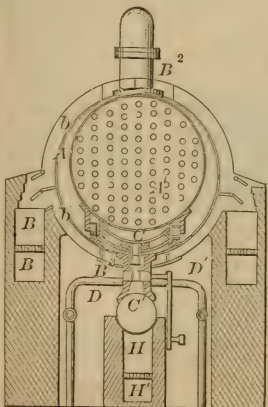
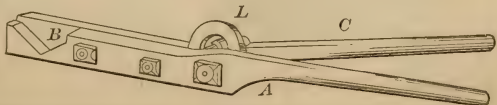
77636—D. F. Mellen—For Distilling Pine Wood.



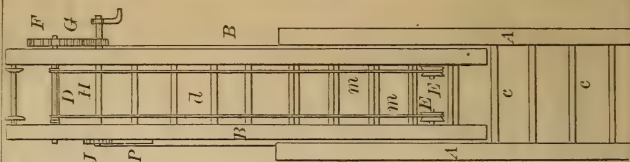
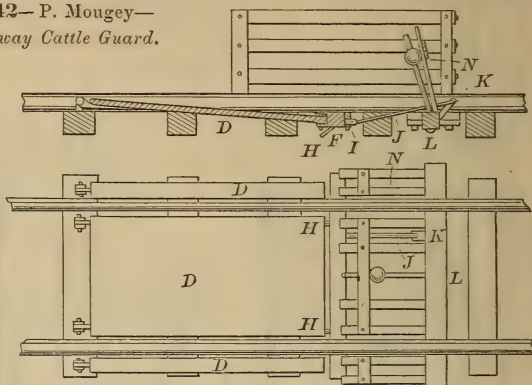
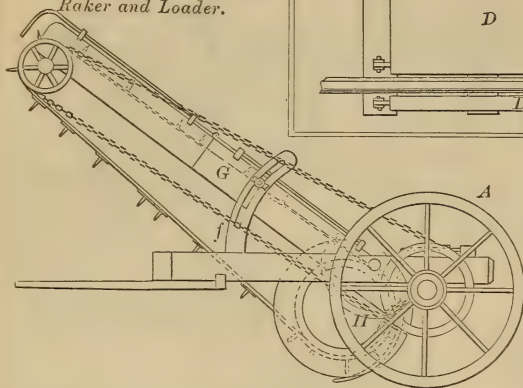
77638—G. L. Miller—Window Curtain Fixture.



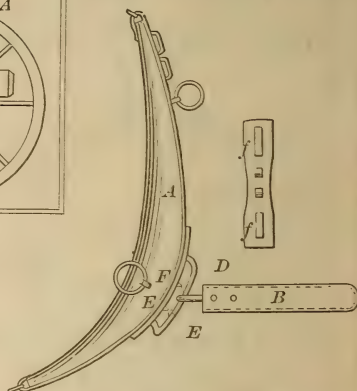
77637—F. Miller—Bolt Cutter.



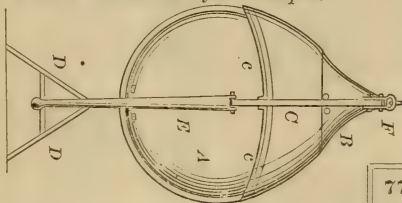
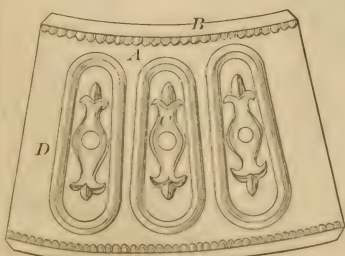
77640—J. F. Morse—Extension Ladder.

77642—P. Mougey—
Railway Cattle Guard.77641—S. K. Morse—Hay
Raker and Loader.

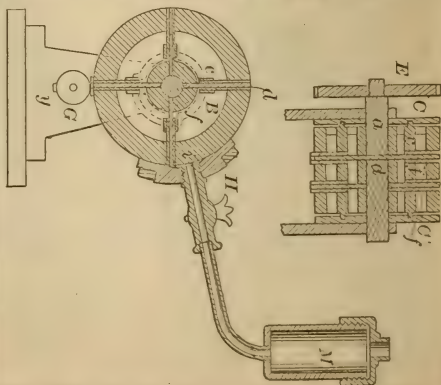
77645—D. M. Nixon—Hames.



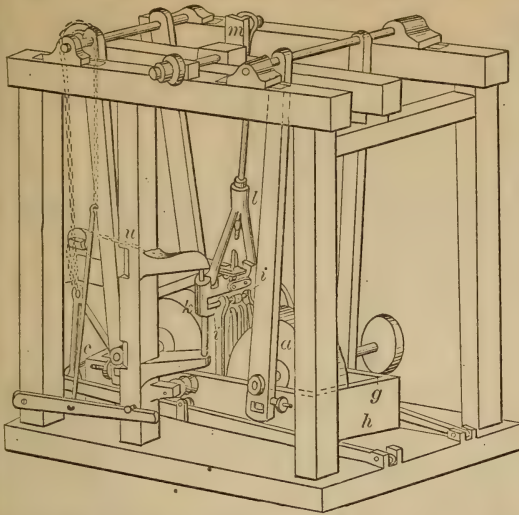
77644—Nelson & Dyer—Scraper.

77643—W. A. Munn—Blank for
Sheet Metal Pot.

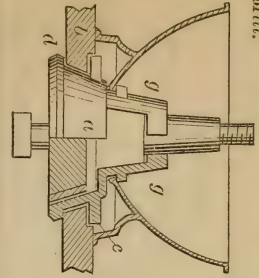
77647—J. M. Osgood—For Casting Eyelets.



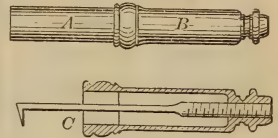
77646—E. Norton—For Grinding File Blanks.



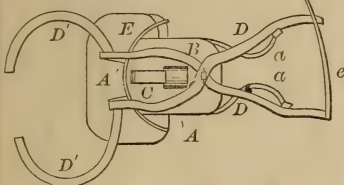
77649—C. & E. Parker—Coffee Mill.
Mill.



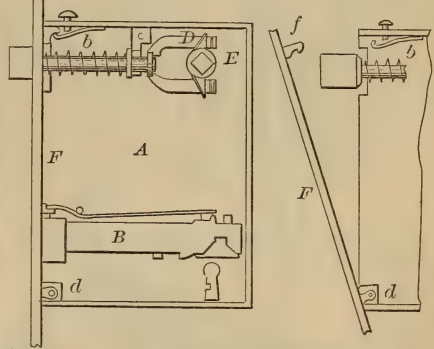
77651—Perkins & Gibbs—Door Fastener.



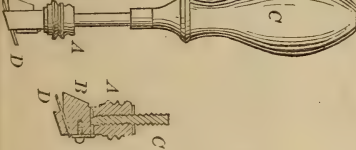
77648—J. H. Park—Bag Holder.



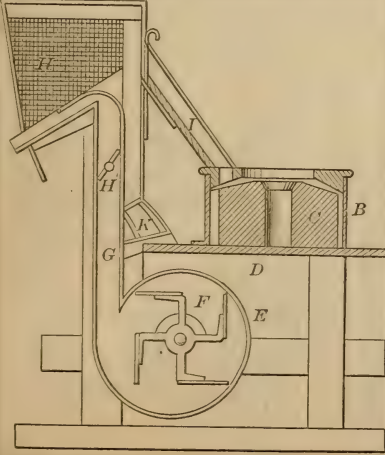
77650—J. E. Parker—Knob Latch.



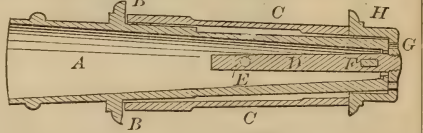
77653—G. W. Pruyne—Channeling Tool.



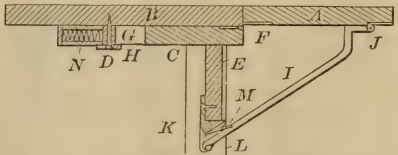
77654—J. Raney—Elevating Grain, &c.



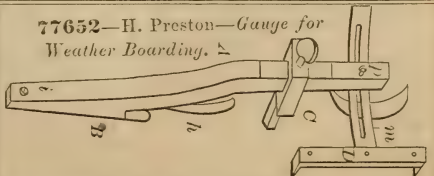
77656—C. F. Ravn—Wagon Skein.



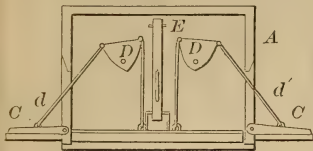
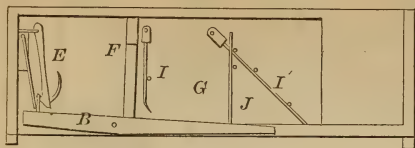
77655—J. S. Rankin—Fall Leaf Table.



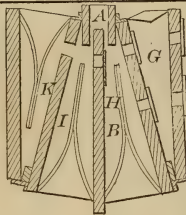
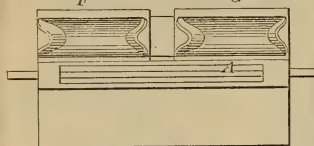
77652—H. Preston—Gauge for Weather Boarding.



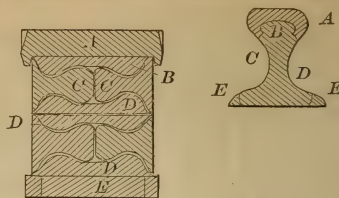
77657—J. H. Reisenger—Animal Trap.



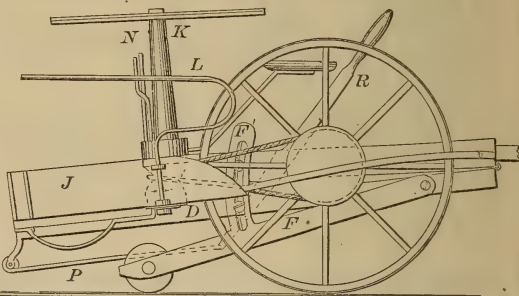
77661—J. Schatz—Reed Organ Bellows, G



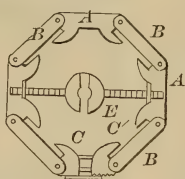
77659—H. Rowe—Railroad Rail Fagot.



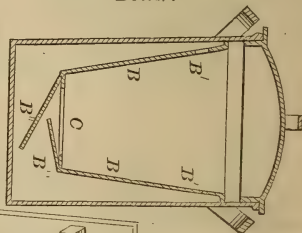
77660—Sarver & Coons—Corn Harvester.



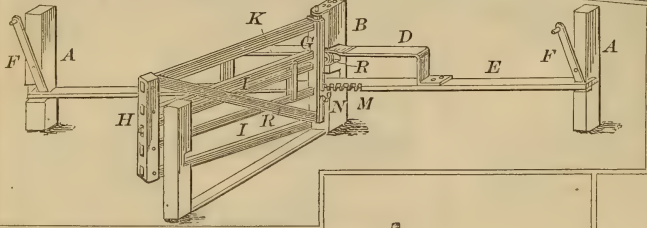
77662—S. Scotton—Tree Box.



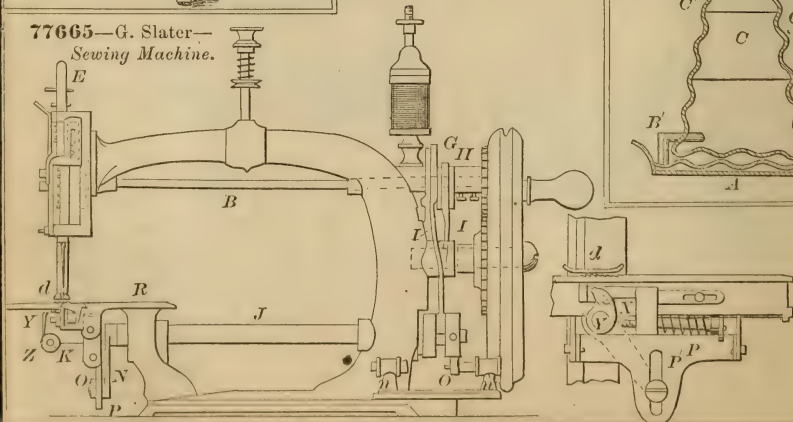
77663—I. D. Seeley—Wash Boiler.



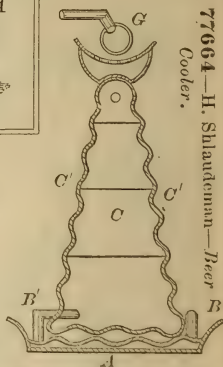
77658—C. Rich—Farm Gate.



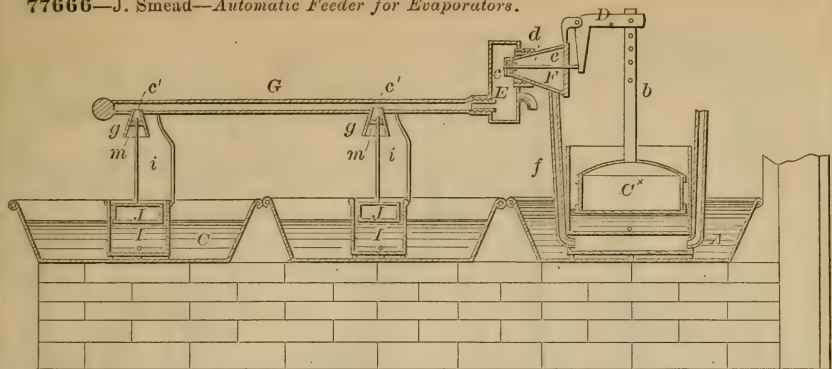
77665—G. Slater—Sewing Machine.



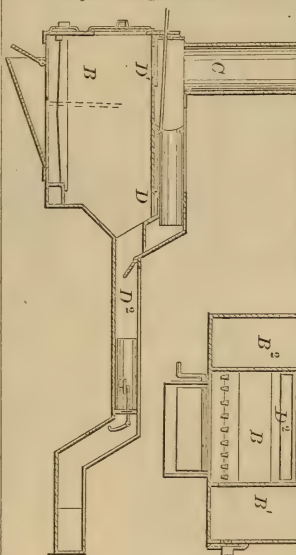
77664—H. Shlaudemann—Beer Cooler.



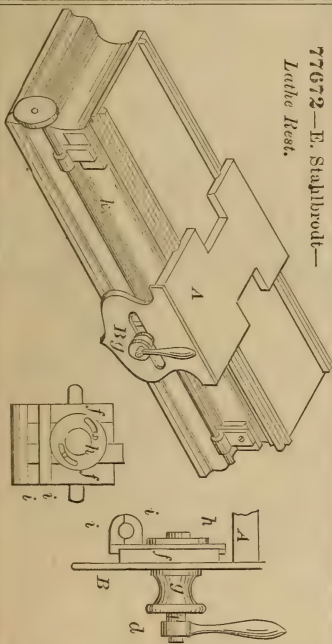
77666—J. Smead—Automatic Feeder for Evaporators.



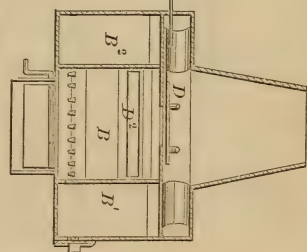
77668—W. C. Smith—
Sugar Evaporator.



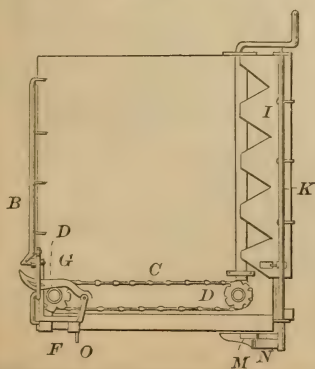
77672—E. Stahlbrodt—
Luthe Rest.



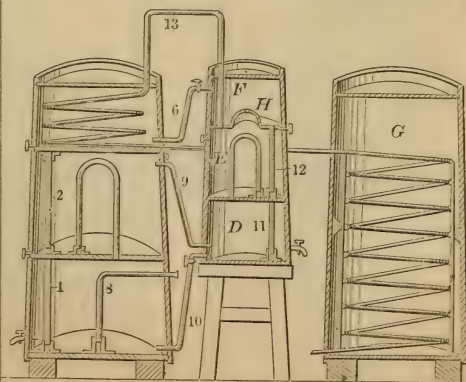
77670—O. Spencer—Steam
Generator. E



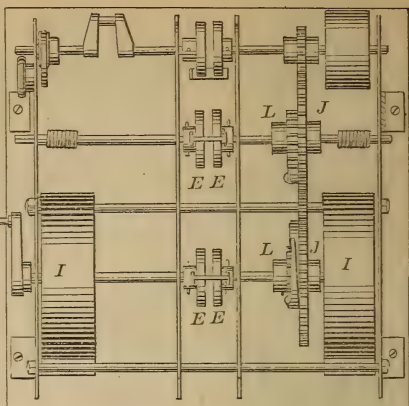
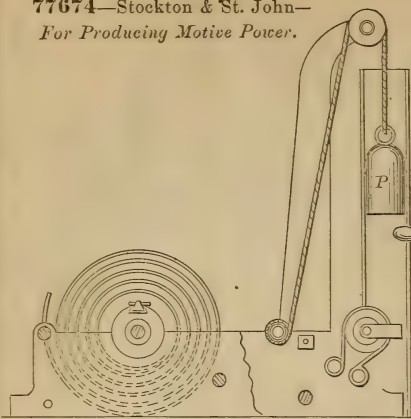
77675—O. O. Storle—Harvester
Rake.



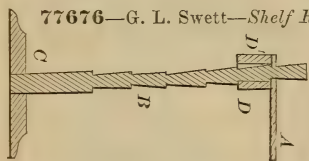
77671—J. Springer—For Rectifying Spirits.



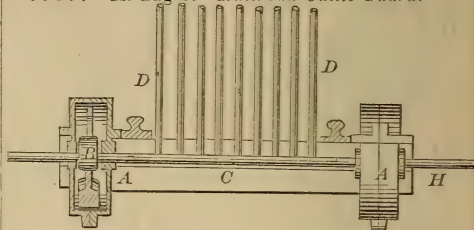
77674—Stockton & St. John—
For Producing Motive Power.



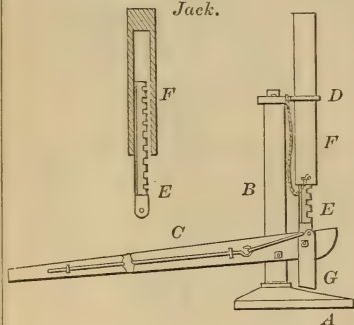
77676—G. L. Swett—*Shelf Rest.*



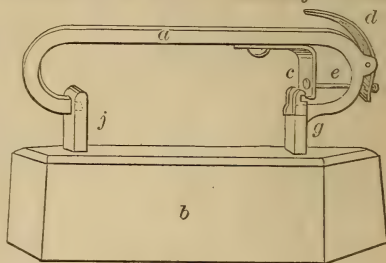
77677—H. Taggart—*Railroad Cattle Guard.*



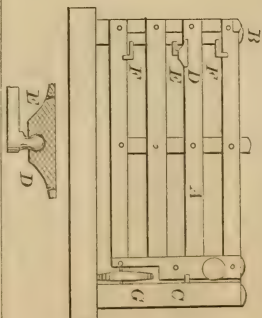
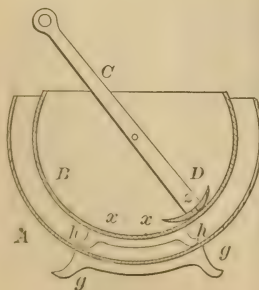
77678—R. M. Thompson—*Lifting Jack.*



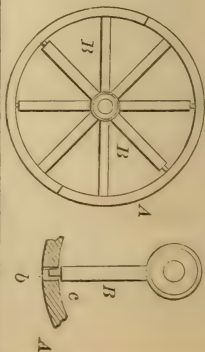
77681—R. W. Towle—*Smoothing Iron Handle.*



77679—S. H. Tift—*Potato Washer.*

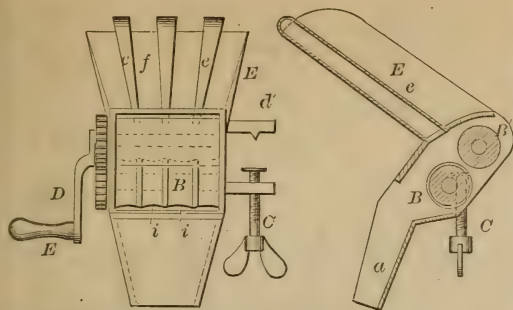


77682—G. W. Tucker—*Gate.*

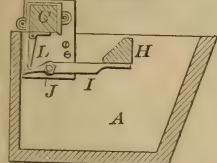


77680—S. Toomey—*Carriage Wheel.*

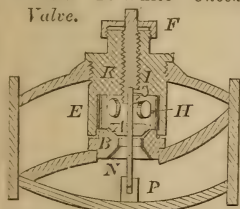
77683—S. Ustick—Pea Sheller.



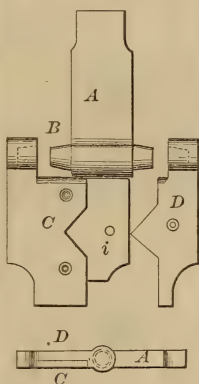
77689—G. H. White—
For Preventing and
Curing Crib Biting in
D Horses.



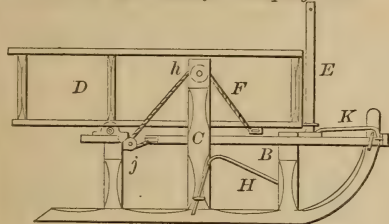
77690—P. White—Check
Valve.



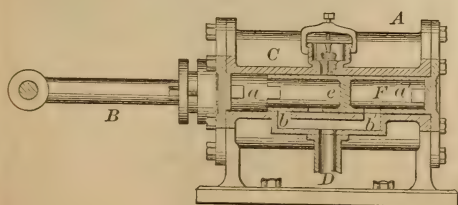
77687—W. Ward—
Shaft Attachment
to Wagons.



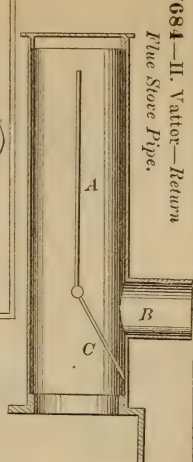
77692—E. R. Whitney—Dumping Sled.



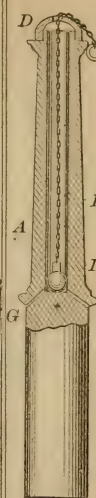
77694—J. Wilcke—Pump.



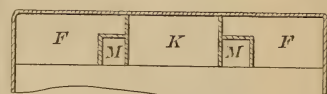
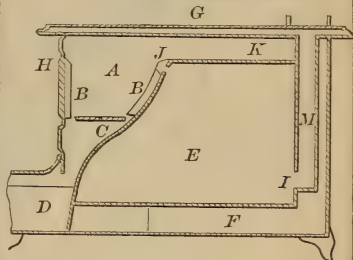
77684—H. Valtor—Return
Flue Stove Pipe.



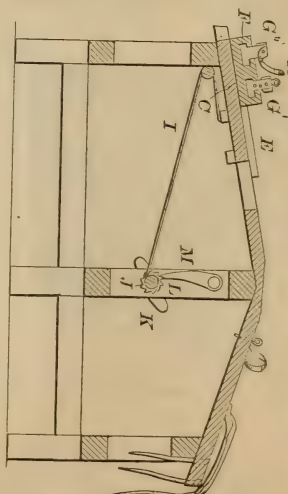
77686—B. & P. Walther—Hitching Post.



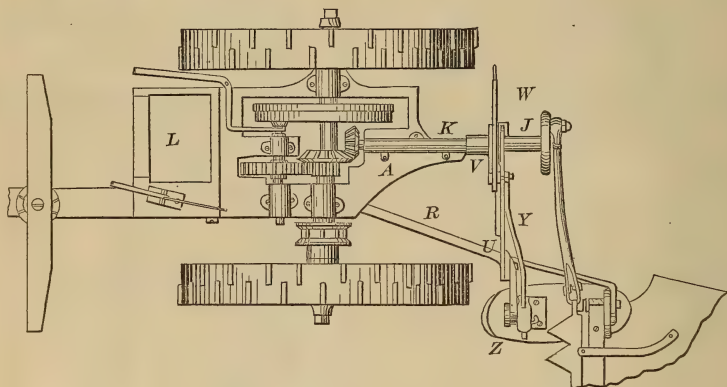
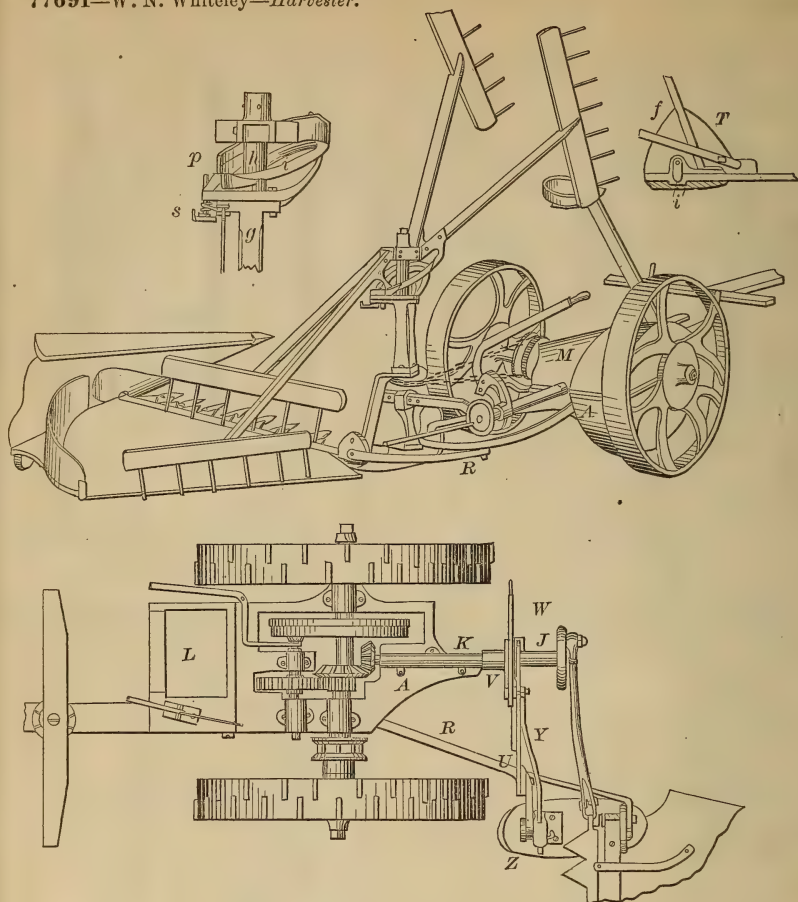
77688—E. D. Weston—Stove.



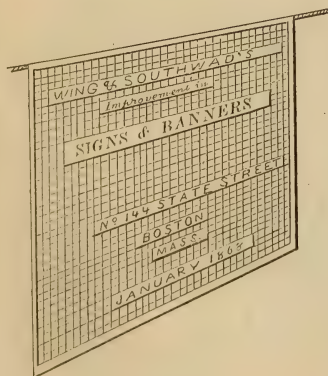
77693—G. Wiggins—Sheep Shearing Table.



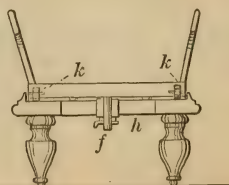
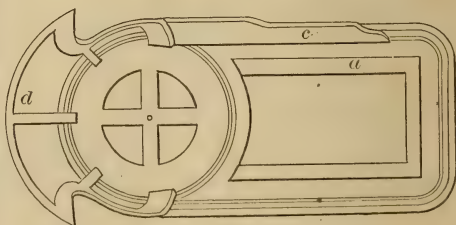
77691—W. N. Whiteley—Harvester.



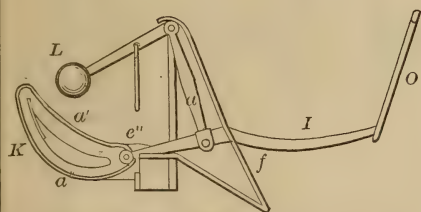
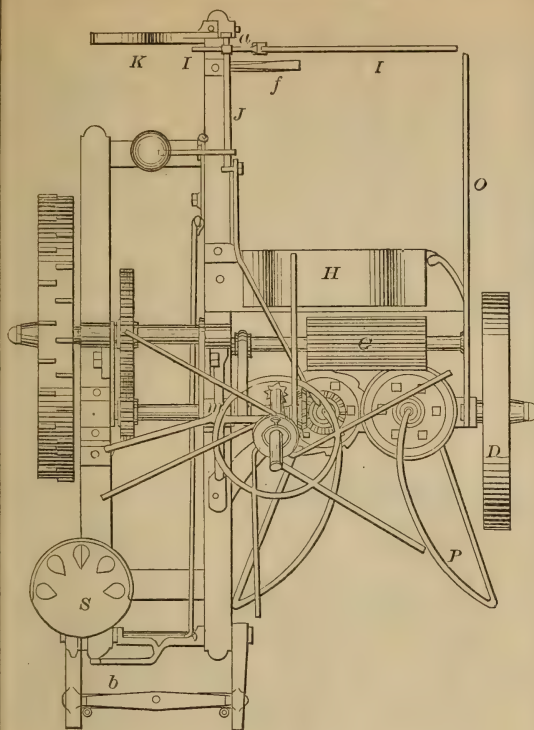
77695—S. Wing—Hanging Signs.



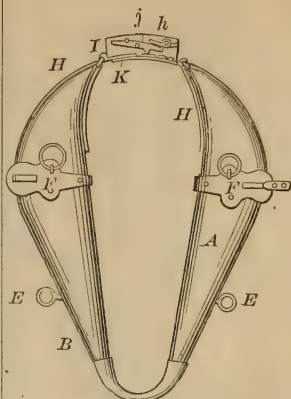
77697—T. Winter—Chair and Lounge.



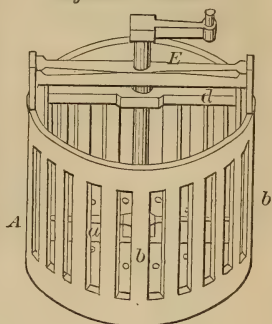
77696—J. F. Winchell—*Corn Harvester.*



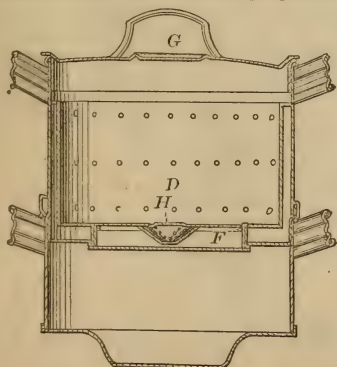
77698—C. Wolf—*Horse Collar.*



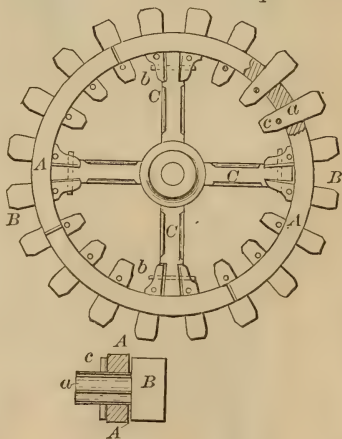
77699—U. A. Woodbury—*Vegetable Washer.*



77702—H. A. Zopff—*Culinary Apparatus.*



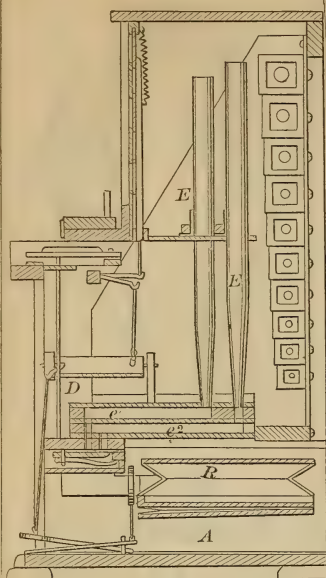
77700—C. F. Woodruff—*Spur Wheel.*



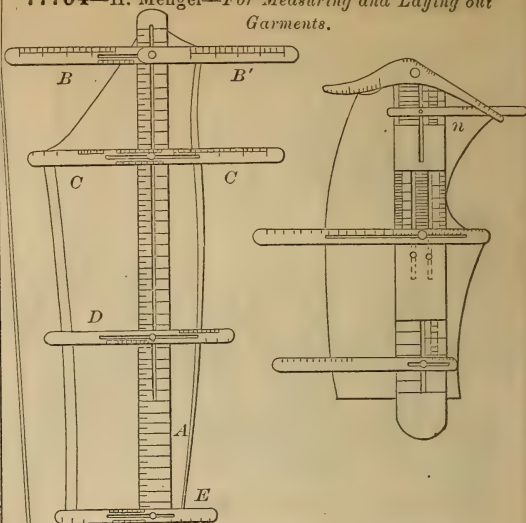
77701—W. Youngblood—*Horse Collar.*



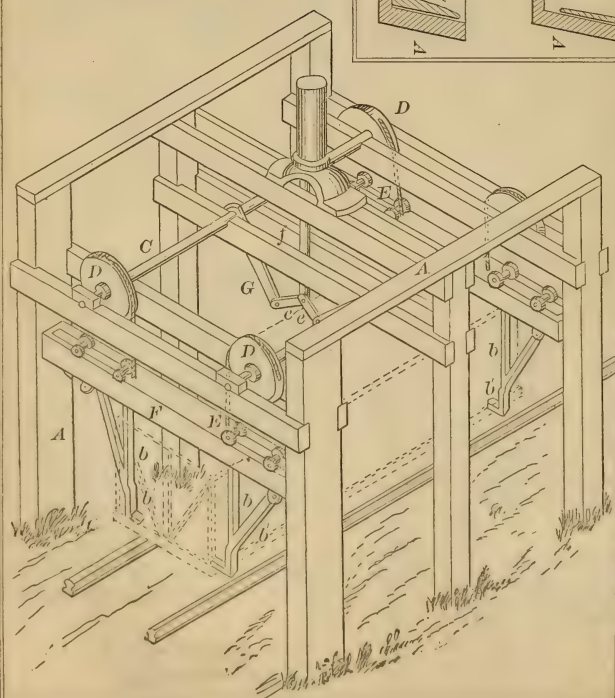
77703—Felgmaker & Derrick—
Portable Pipe Organ.



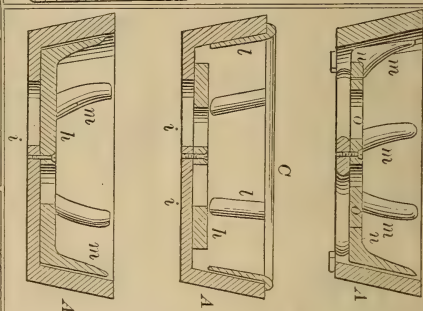
77704—H. Mengel—*For Measuring and Laying out Garments.*



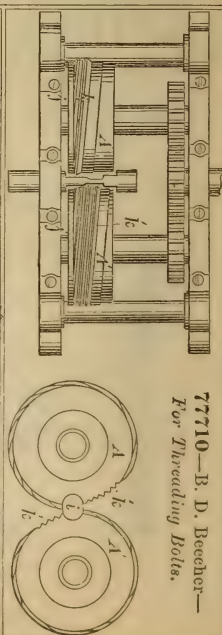
77706—H. Arden—*Car Elevator.*



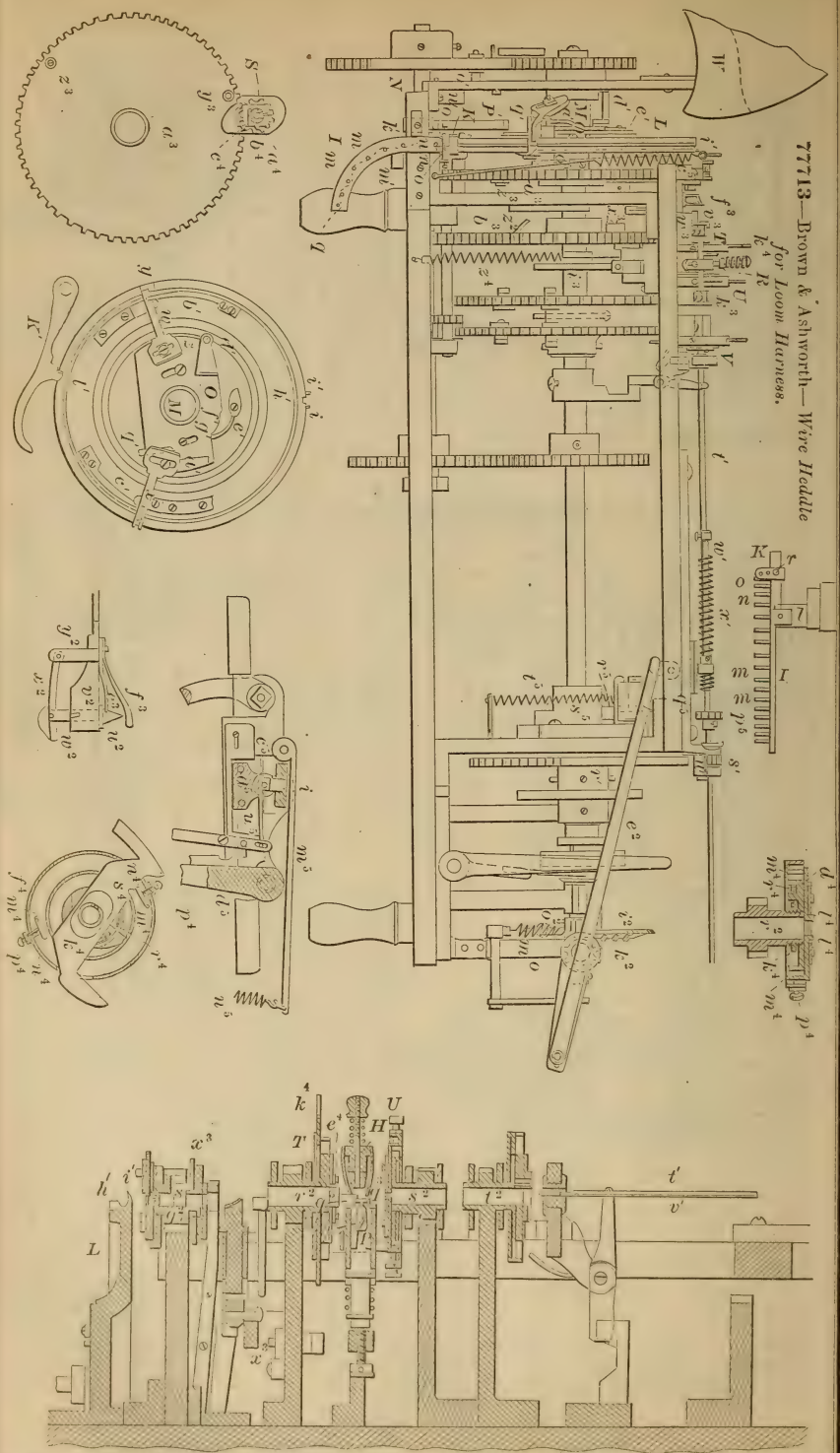
77707—D. S. Baker—
Stone Grate.



77710—B. D. Beecher—
For Threading Bolts.



77713—Brown & Ashworth—Wire Heddle
for Loom Harness.



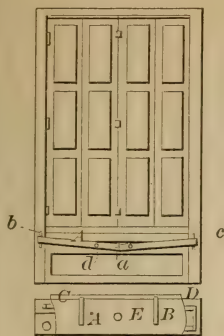
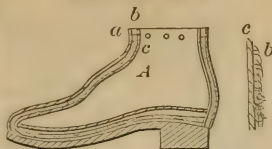
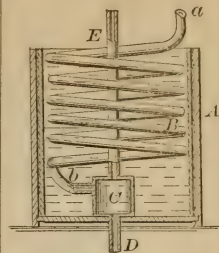
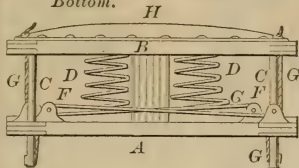
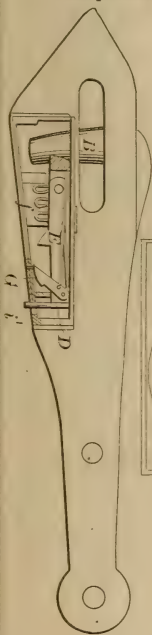
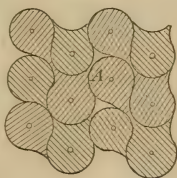
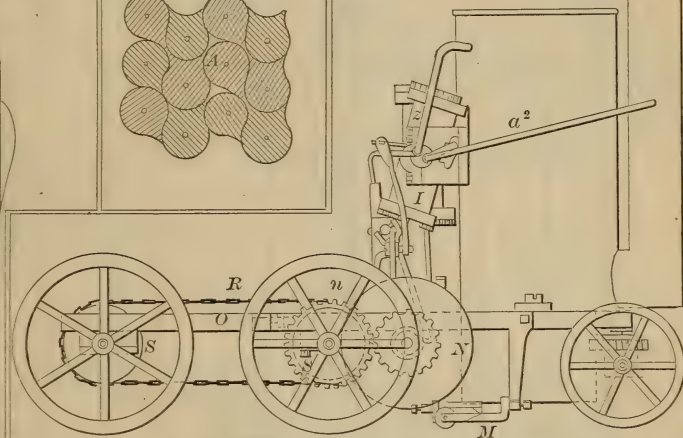
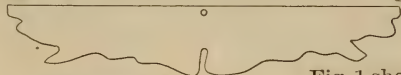
77716—H. Chamberlain—
Store Window.**77717**—E. Chesterman—
Boots and Shoes.**77718**—P. Coats—
Condenser.**77720**—J. D F. Dahl—Bed
Bottom.**77723**—J. S. Elliott—
Hasp Lock.**77725**—J. L. Field—
Candle.**77719**—M. V. Cumming—
Mowing Machine.**77724**—A. Eschenlohr—Seamless Leather Strap.

Fig. 2 sheet 1

Fig. 1 sheet 1

Fig. 1 sheet 2

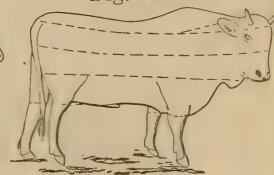
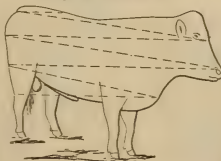
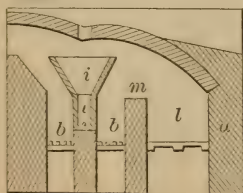
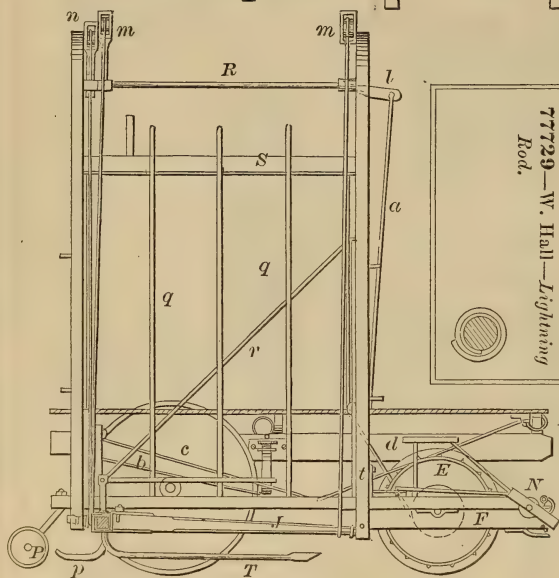
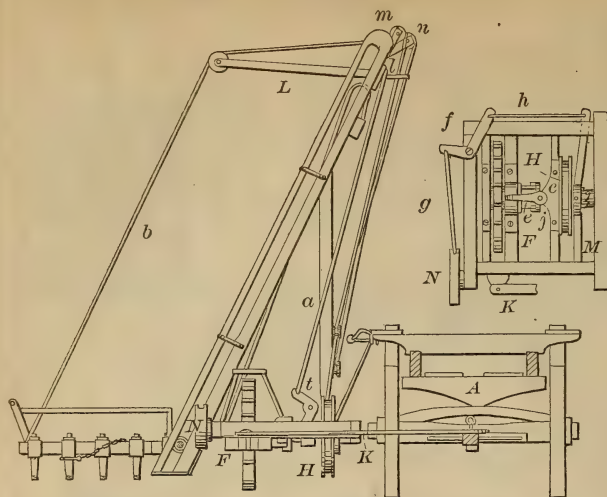
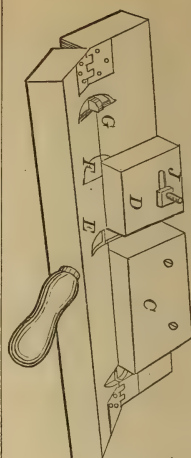
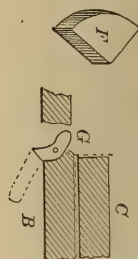
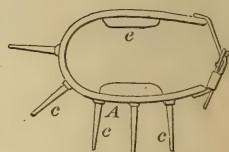
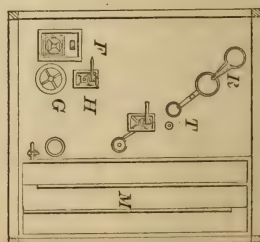
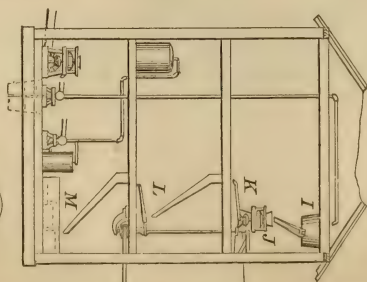
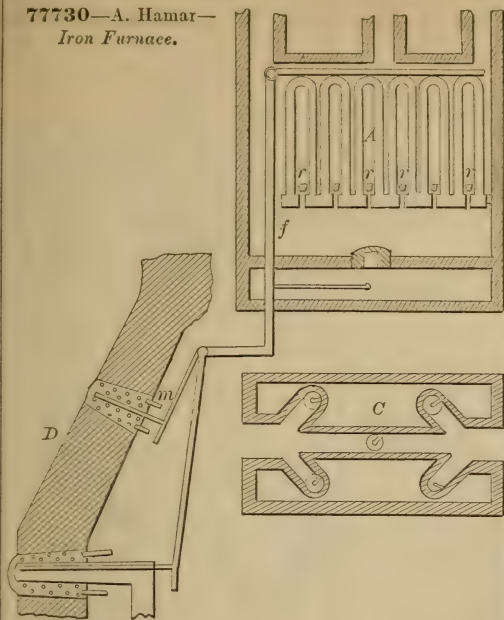


Fig. 3 sheet 2

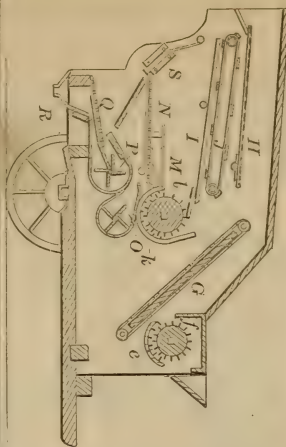
77722—F. Ellershausen—
Manufacture of Iron and
Steel.

77721—M. A. Dilley—*Hay Raker and Loader.*77729—W. Hall—*Lightning Rod.*77726—J. Finn—*Pan Former.*77728—H. A. Hall—*Ankle or Knee Guard.*77727—J. Firmenich—*Manufacture of Vinegar.*

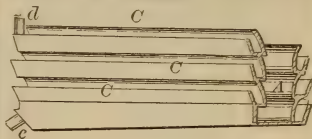
77730—A. Hamar—
Iron Furnace.



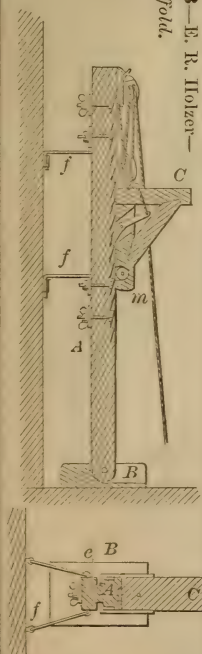
77731—D. M. Heikes—*Clover Separator and Huler.*



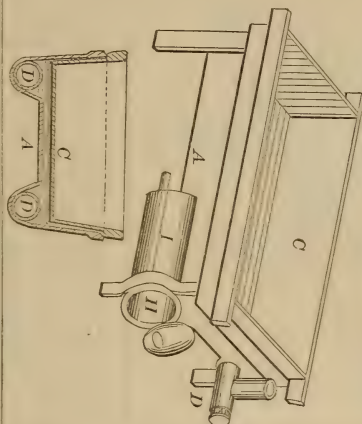
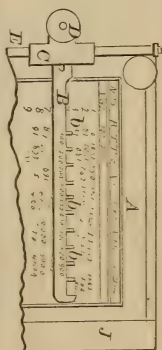
77732—N. Heimenz—*Beer Cooler.*



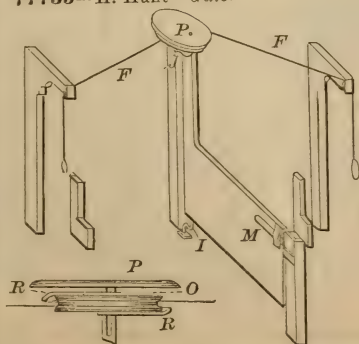
77733—E
Seafold.



77734—W. Howard—*Cheese Nut.*

777736—I. S. Hyatt—*Tax Calculator.*

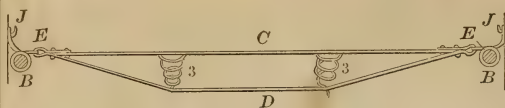
77735—H. Hunt—*Gate*.



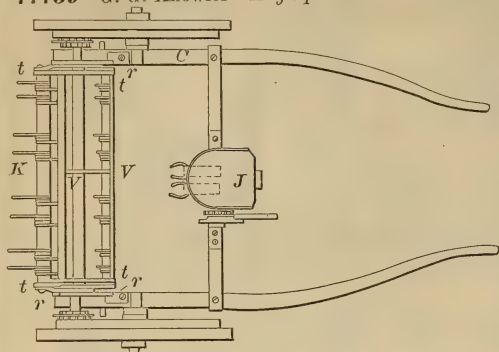
77737—A. Jones—Harrow Tooth.



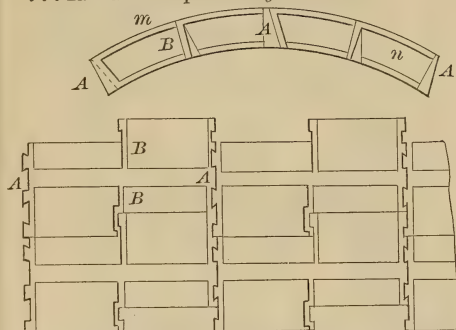
77738—Joslin & Newhall—*Bed Bottom.*



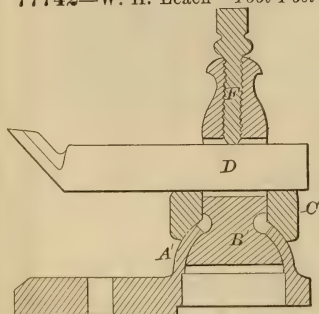
77739—G. G. Knowles—*Hay Spreader.*



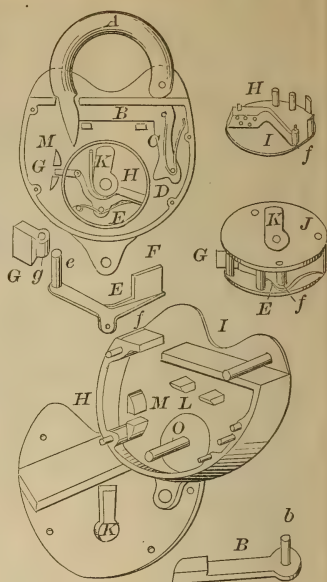
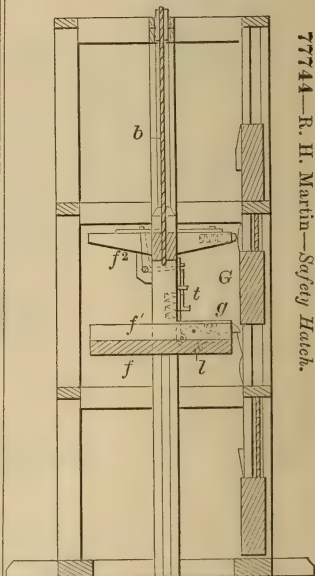
77741—G. T. Lape—*Bridge.*



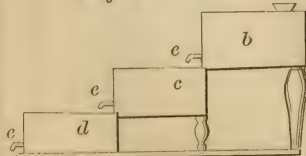
77742—W. H. Leach—Tool Post for Lathes.



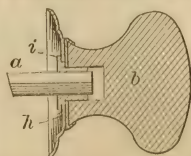
77740—F. F. Landis—*Padlock*.

777744—R. H. Martin—*Safety Hatch*.

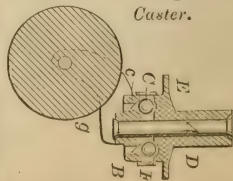
77746—W. Mathews—*Purifying
Sorghum Juice.* a



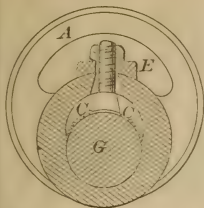
77745—T. Marvin—
Attaching Door Knobs



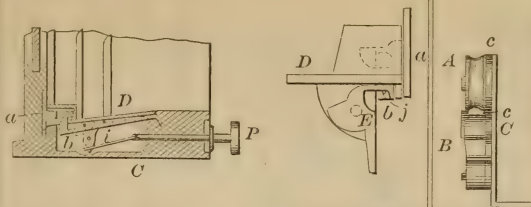
77743—S. N. Long—*Furniture*
Caster.



77747—Miller & Stevens—*Hub Fastening for Eccentrics.*

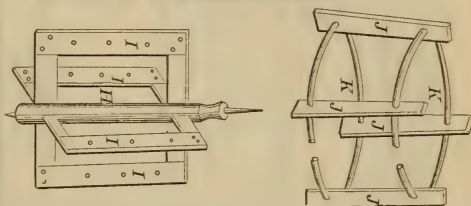


77748—W. J. Miller—*Shutter Fastening.*

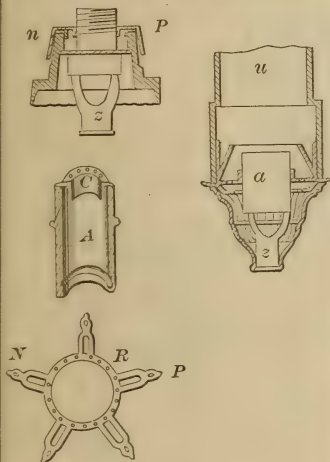


77750—H. Morgan—*Clothes Line Holder.*

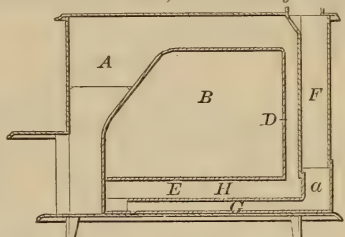
77753—E. P. Newman—*Churn.*



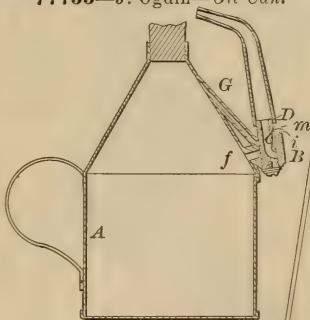
77749—H. Monier—*Gas Burner.*



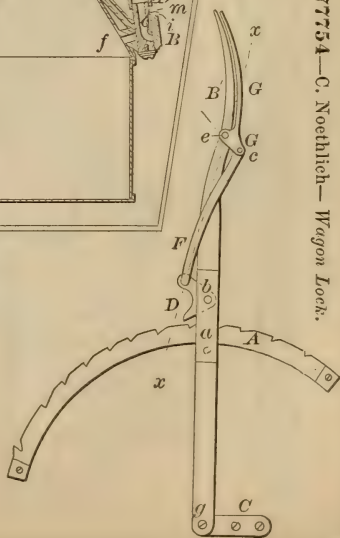
77751—B. L. Mott, Jr.—*Cooking Stove.*



77755—J. Ogdin—*Oil Can.*



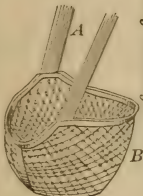
77754—C. Noethlich—*Wagon Lock.*



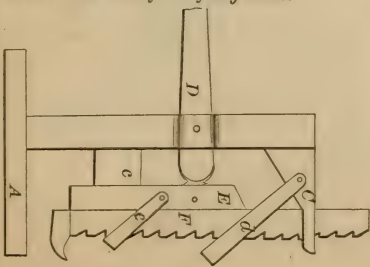
77752—G. Murray, Jr.—*Meat Pounder and Ice Pick.*



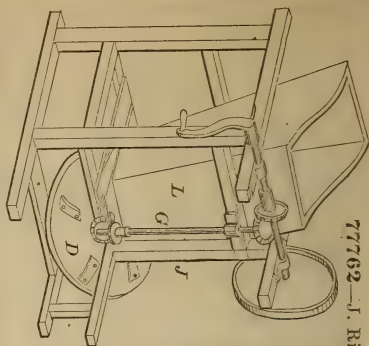
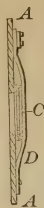
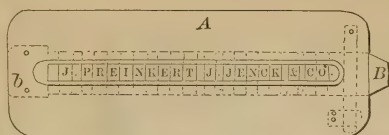
77757—W. H. Phelps—*Suspensory Brandy.*



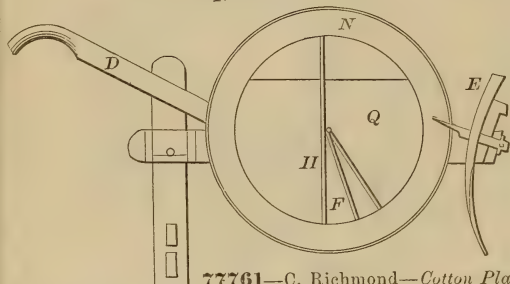
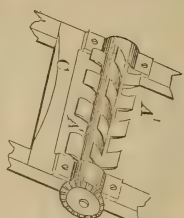
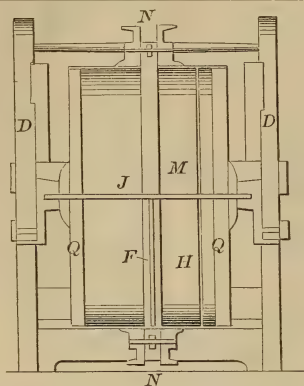
77756—S. Perry—*Lifting Jack.*



77759—W. W. Potter—Stencil Plate.

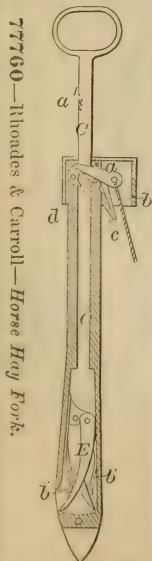
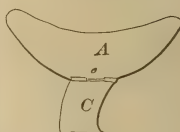


77762—J. Riley—Straw Cutter.



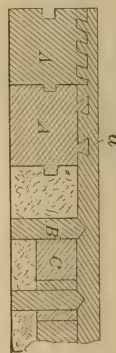
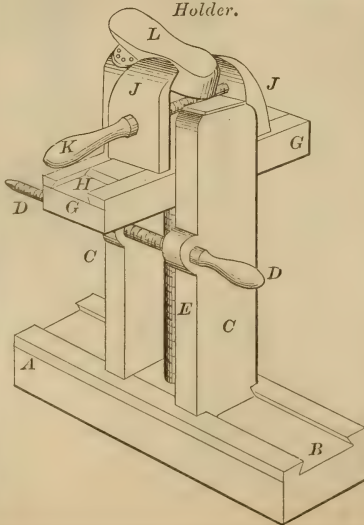
77761—C. Richmond—Cotton Planter.

77765—S. D. Roof—Necktie Frame.



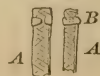
77760—Rhoades & Carroll—Horse Hay Fork.

77764—A. J. Rock—Last and Shoe Holder.

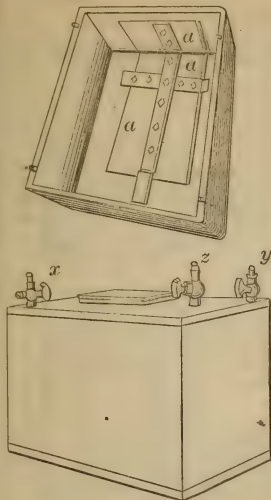


77766—S. I. Russel—Sidewalk.

77767—E. O. Schartau—Lamp Wick.



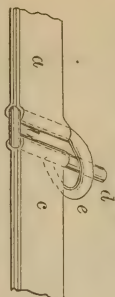
77768—S. F. Shoonmaker—
Transporting and Storing
Grain.



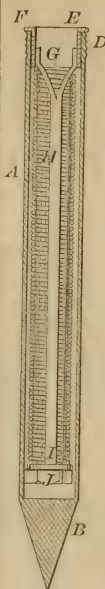
77769—A. Sears—Sheaf Coupling.



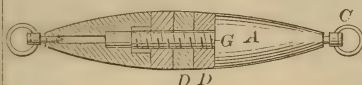
77770—G. A. Seaver—Cotton Bole Tie.



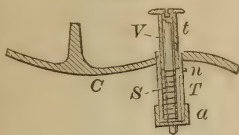
77772—S. E. Skilling—Tube Well.



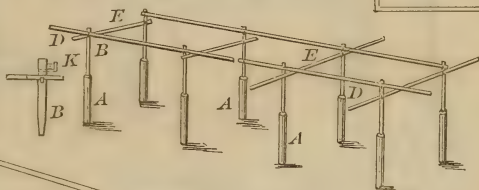
77774—W. H. Smith—Fishing
Line Sinkers.



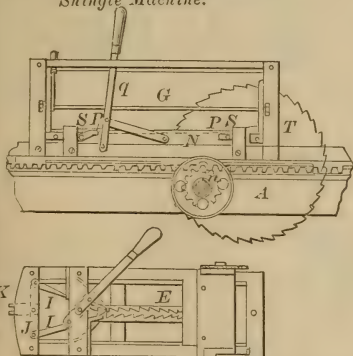
77773—Smith & Wilcox—
Dentistry.



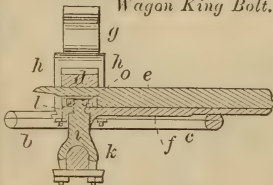
77775—L. D. Snook—Hop Trellis.



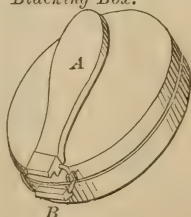
77776—Southwick & Gillett—
Shingle Machine.



77782—J. J. Waldron—
Wagon King Bolt.



77778—T. H. Spencer—
Blacking Box.



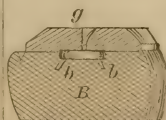
77771—Shipley & Mercereau—For Lighting Gas, &c.



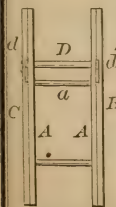
77783—D. Walker—Blotter.



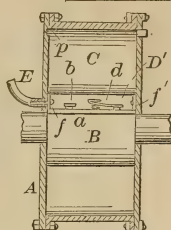
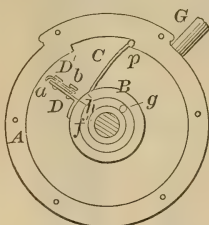
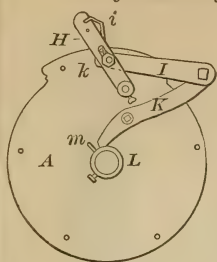
77781—J. Turel—Lettering
Machine.



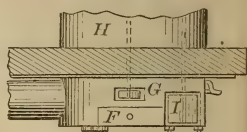
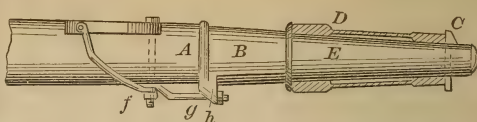
77779—A. Stanley—Saw
Horse.



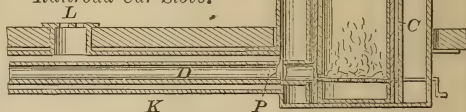
77780—Thunell & Hedstrom—*Rotary Steam Engine.*



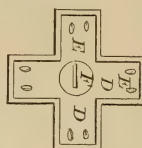
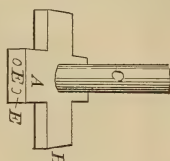
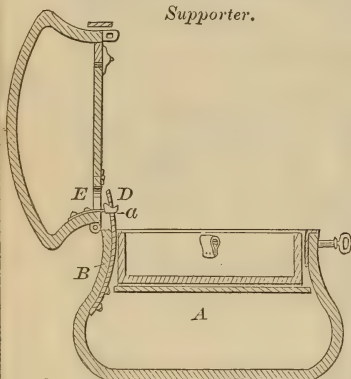
77785—J. Weathers—*Attaching Hubs to Axles.*



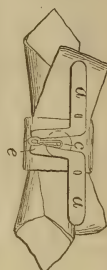
77786—E. Z. Webster—*Railroad Car Stove.*



77787—S. Wehrly—*Trunk Lid Supporter.*

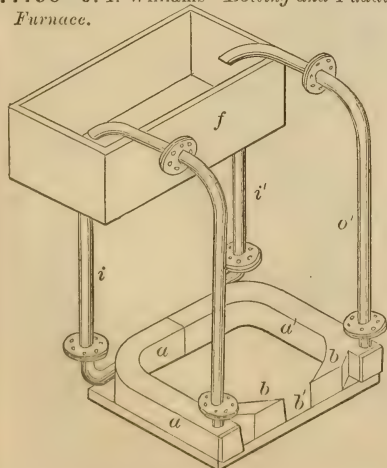


77789—Williams & Lenon—*Churn Dashers.*

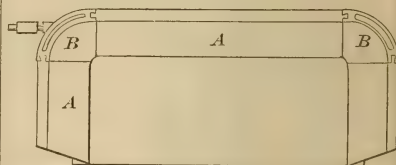


77788—P. Welch—*Necktie Frame.*

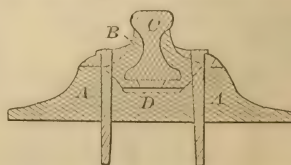
77790—J. I. Williams—*Boiling and Puddling Furnace.*



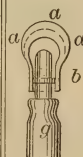
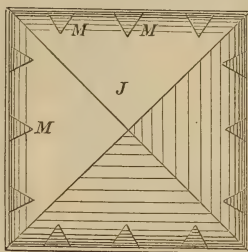
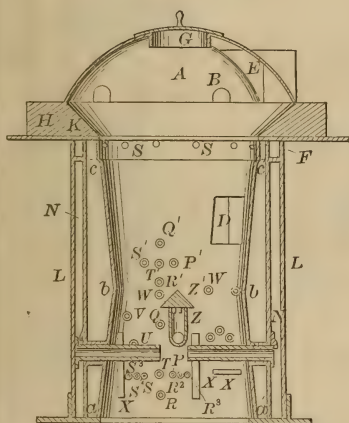
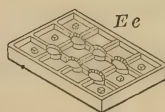
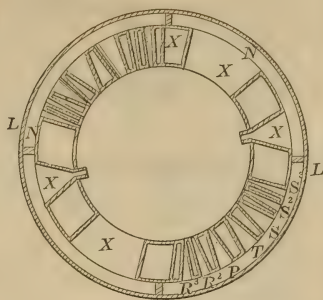
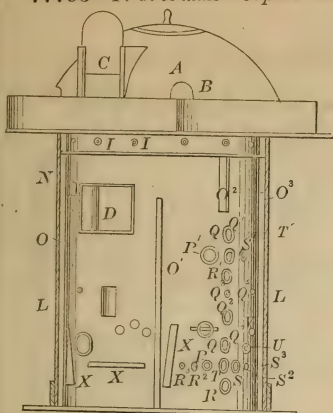
77791—L. W. Wolfe—*Vehicle Seat.*



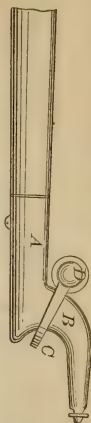
77794—R. Zider—*Railway Chair.*



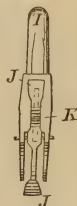
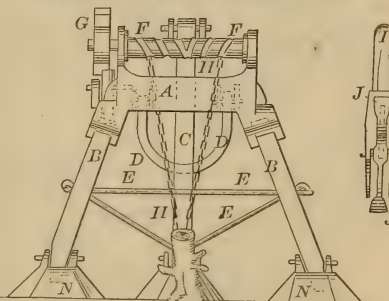
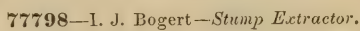
77795—F. C. Adams—*Cupola Furnace.*



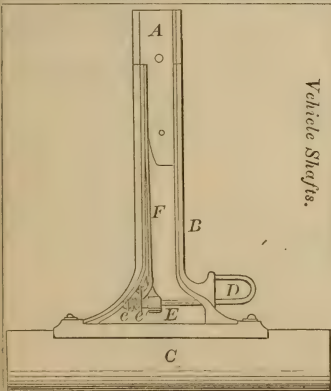
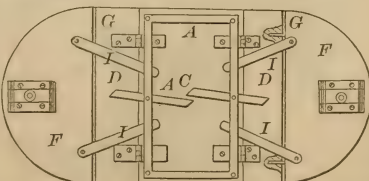
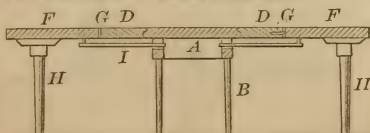
777796—A. Benedict—*Carriage Pole Tip*

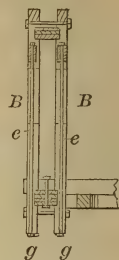
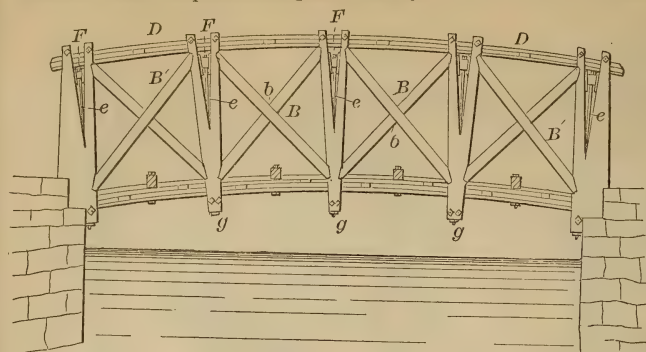
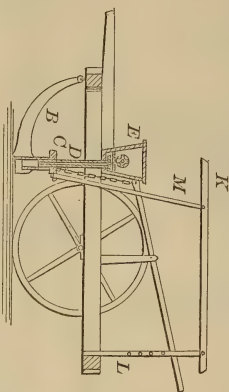
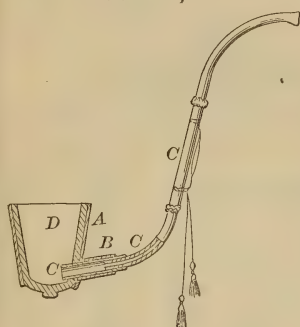
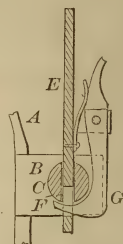
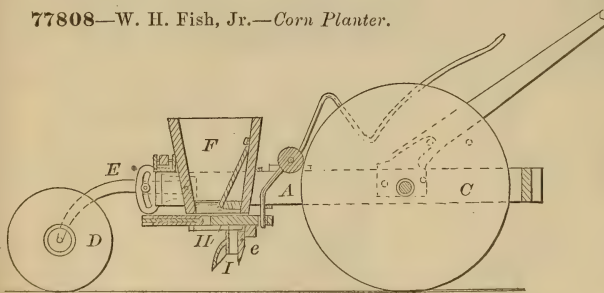
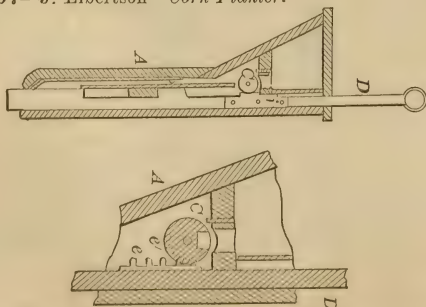
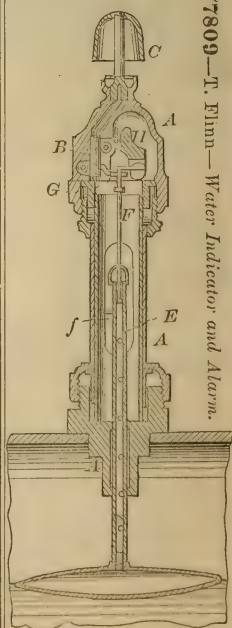


777799—C. L. Brown—*Flame*
Aerator.

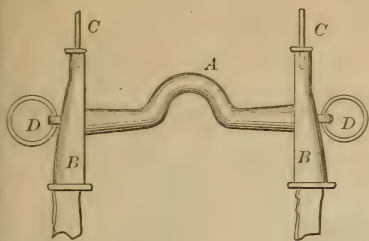


77797—W. L. Blaisdell—
Vehicle Shafts.

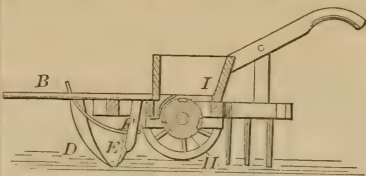
77801—D. Cole—*Table Extension.*

77800—E. M. Carpenter—*Suspension Bridge.*77803—H. G. Dayton—*Tobacco Pipe.*77802—J. W. Davidson—*Wheat Drill.*77804—L. Derby—*Mill Fastener.*77808—W. H. Fish, Jr.—*Corn Planter.*77807—J. Elbertson—*Corn Planter.*77809—T. Finn—*Water Indicator and Alarm.*

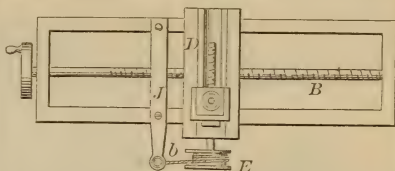
77810—W. S. Ford—Bridle Bit.



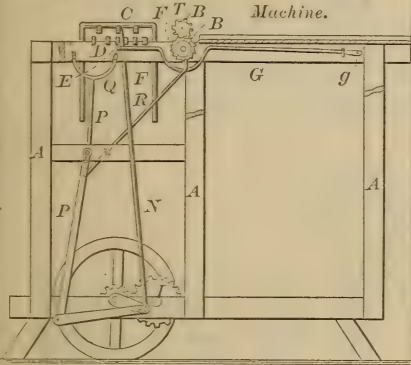
77811—A. J. Going—Corn Planter.



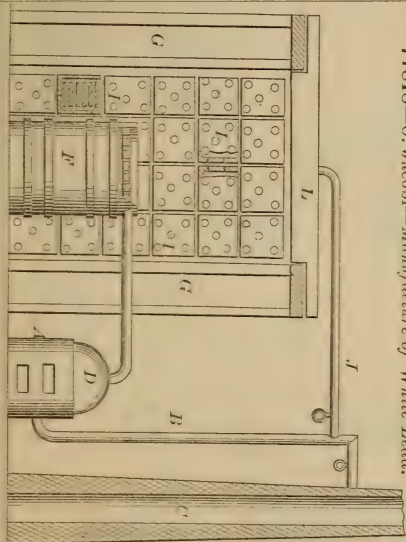
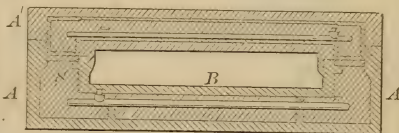
77812—L. Griscom—Lathe.



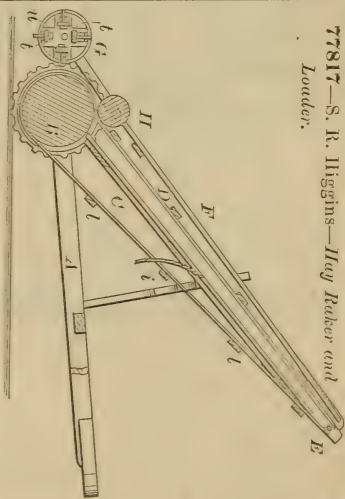
77815—J. S. Haskins—Hemp Breaking Machine.



77816—A. W. Herr—Fireproof Safe.



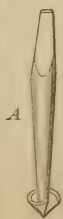
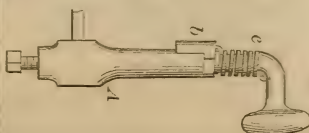
77818—O. Jacobi—Manufacture of White Lead.



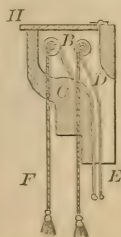
77817—S. R. Higgins—Hay Raker and Loader.



77820—E. S. Laney—Finger for Shuttle Stop Rod in Looms.

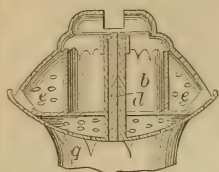


77819—C. Krebs—Counter Sink.



77813—E. L. Hagar—Chart Roller.

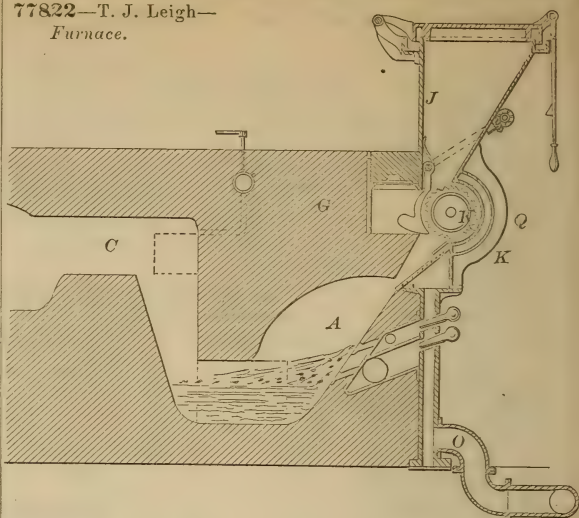
77821—G. Lavere—
Lamp Burner.



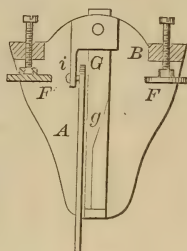
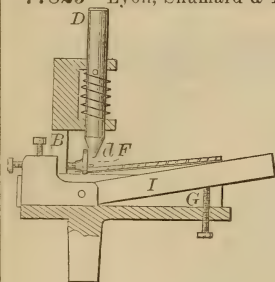
77823—W. H. Lippincott—
Vulcanite Billiard Ball.



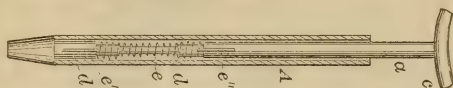
77822—T. J. Leigh—
Furnace.



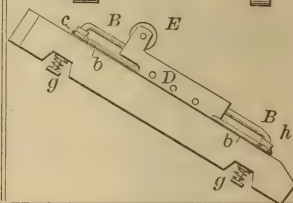
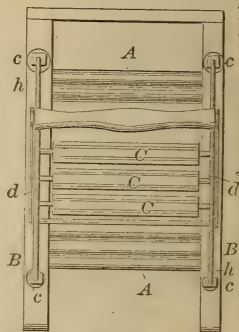
77825—Lyon, Shumard & Robbins—*Saw Set.*



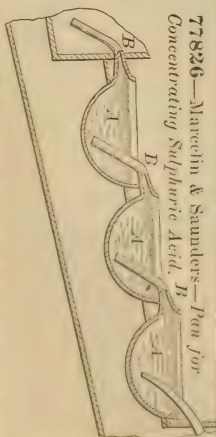
77824—J. A. Lobb—*Crutch.*



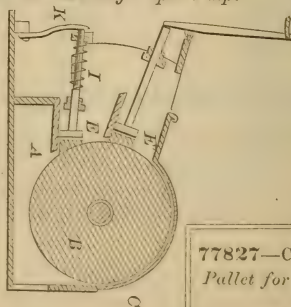
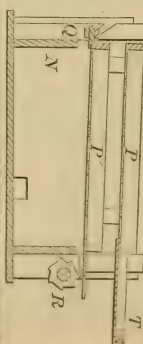
77828—M. McGarry—*Wash Board.*



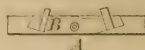
77826—Marcein & Saunders—*Pan for Concentrating Sulphuric Acid.*



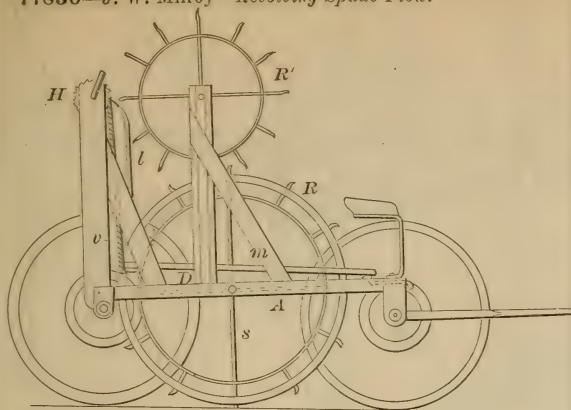
77829—W. Miller—*For Making Paper Pulp.*



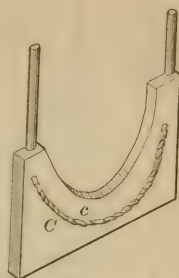
77827—C. E. Mason—
Pallet for Time Pieces.



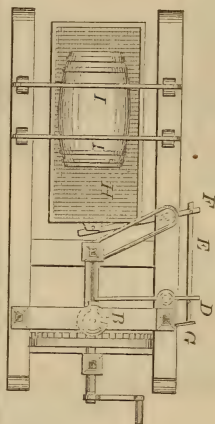
77830—J. W. Milroy—*Revolving Spade Plow.*



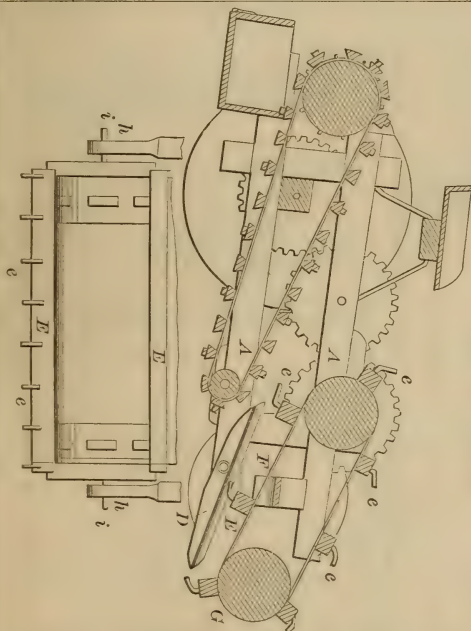
77831—Nathans & Thornton—*Cur Axle Box.*



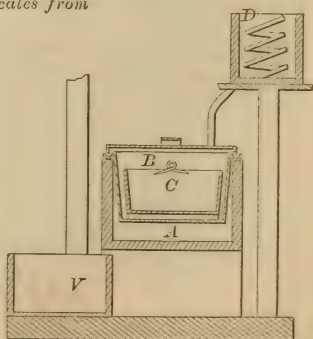
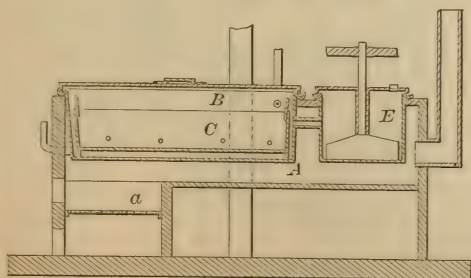
77832—J. Novak—*Flour Sifter.*

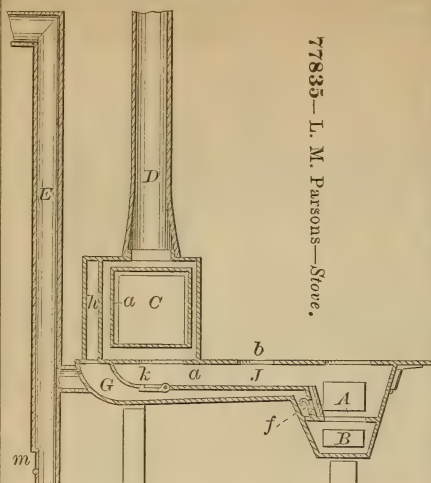


77833—G. N. Palmer—*Stone Gathering Machine.*



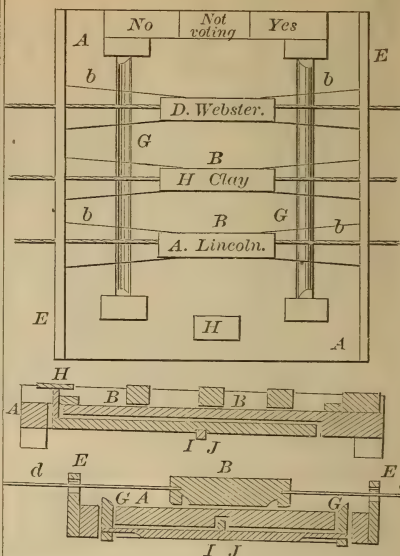
77834—Parrott & Boardman—*Removing Metallic Scales from Glass and "Moils."*



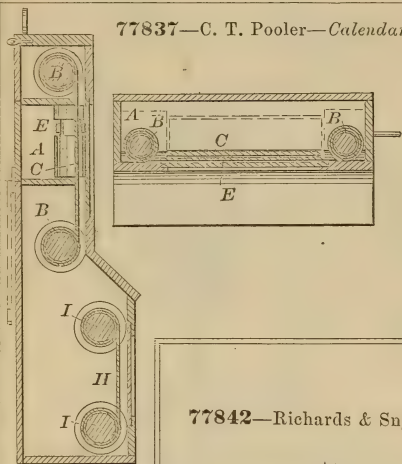


77835—L. M. Parsons—Store.

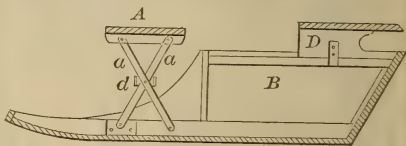
77836—N. A. Patterson—Vote Register.



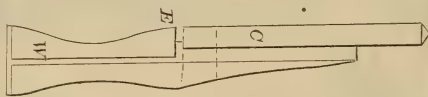
77837—C. T. Pooler—Calendar.



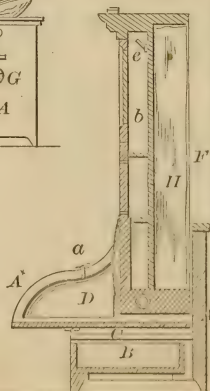
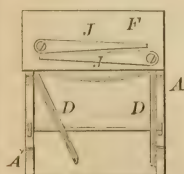
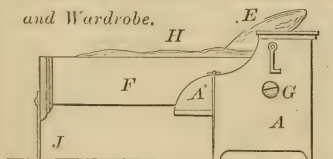
77838—L. Pray—Vehicle Seat.



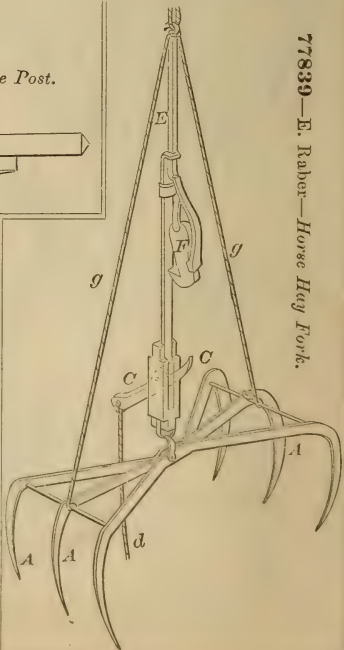
77842—Richards & Snyder—Fence Post.



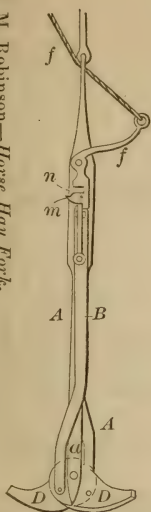
77841—W. Reekards—Bedstead, Chair, Secretary and Wardrobe.



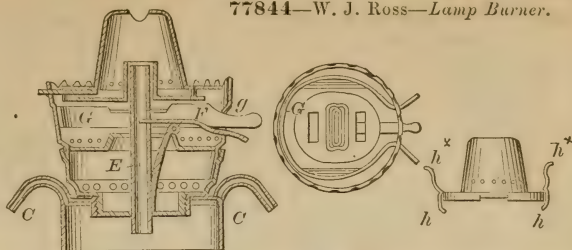
77839—E. Raber—Horse Hay Fork.



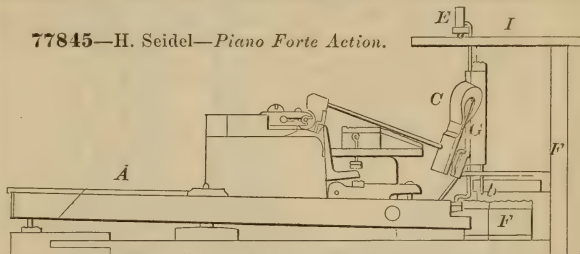
77843—G. M. Robinson—*Horse Hay Fork.*



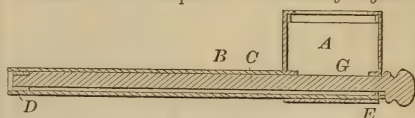
77844—W. J. Ross—*Lamp Burner.*



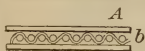
77845—H. Seidel—*Piano Forte Action.*



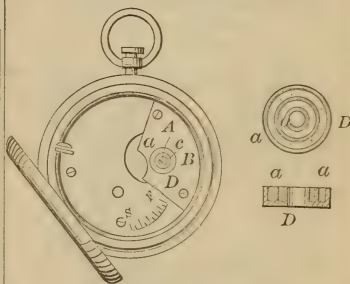
77846—J. F. Shepard—*For Making Cigars.*



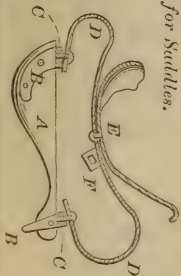
77847—
T. F. Snover—
Machine Belt.



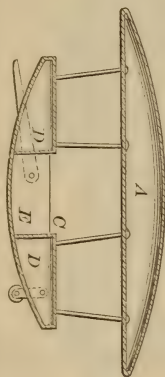
77848—C. Springer—*Watch*.



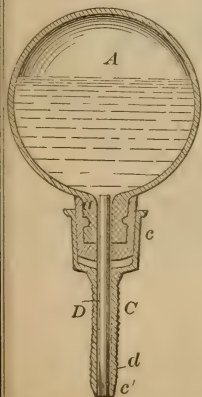
77840—R. J. Steele, Jr.—*Spring Seat for Saddles.*



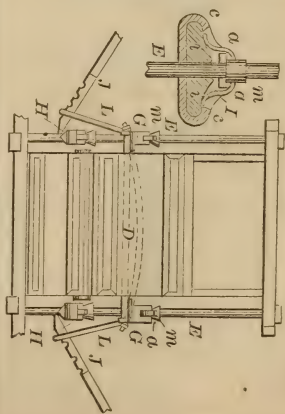
77850—Z. Stone—Aerial Navigator.



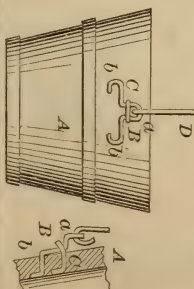
77851—H. Taylor—
Lubricator.



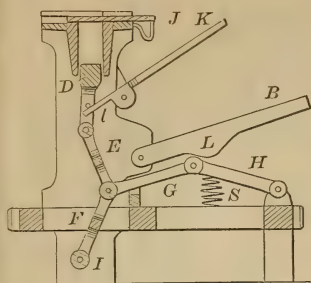
77852—G. Uley—Hay and Cotton Press.



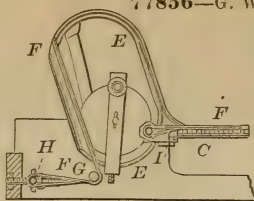
77853—J. Walton—Bail Ear
for Pails.



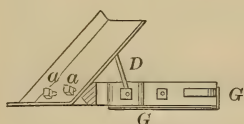
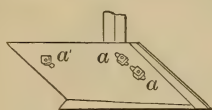
77854—L. S. Warner—Concrete Block Press.



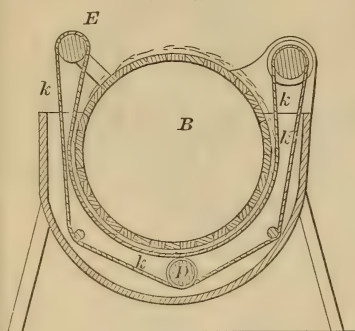
77856—G. Widmer—Adjustable Couch.



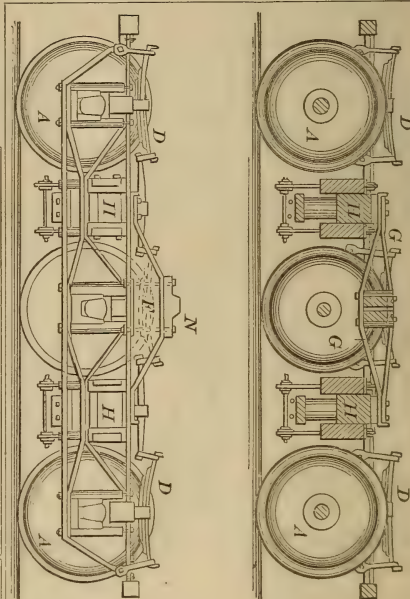
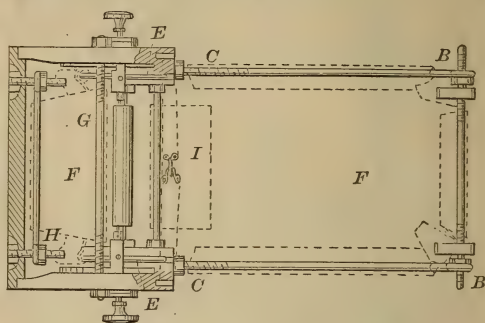
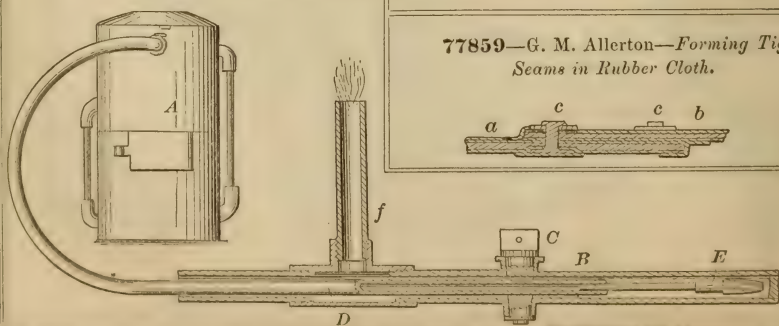
77855—T. P. Warren—Plow.



77861—D. C. Baker—Washing Machine.



77857—W. Young—For Clearing Pipes.

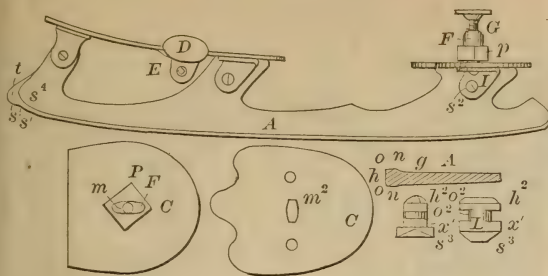


77858—C. F. Allen—Car Truck.

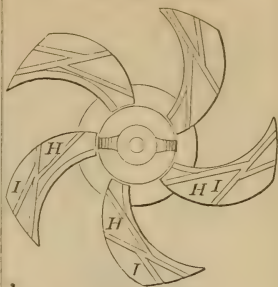
77859—G. M. Allerton—Forming Tight Seams in Rubber Cloth.



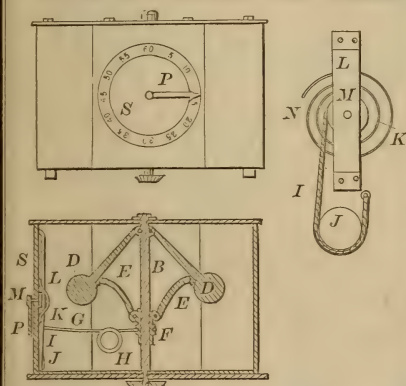
77862—Barney & Berry—Skate.



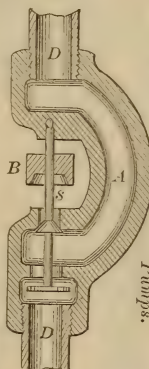
77868—J. H. Bullock—
Amalgamator Shoe.



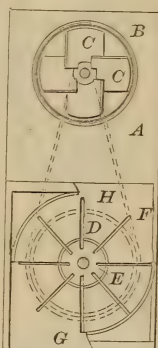
77864—N. P. Bowsher—Power Indicator.



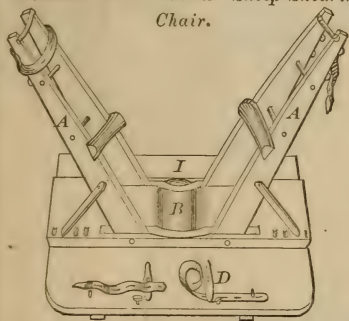
77865—G. E. Bretell—Waste Valve for
Pumps.



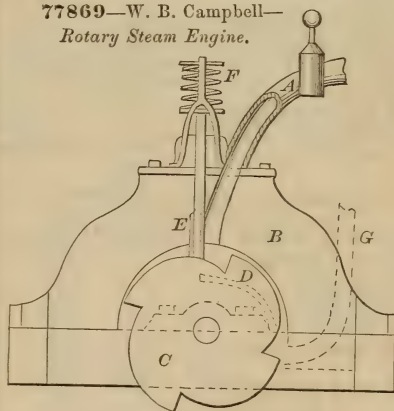
77867—I. Buckingham—Car Ventilator.



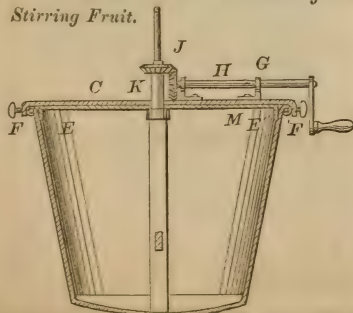
77866—H. D. Brown—Sheep Shearing
Chair.



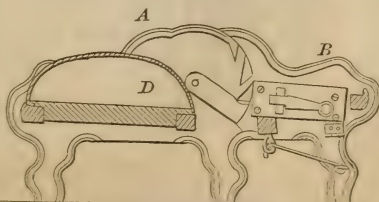
77869—W. B. Campbell—
Rotary Steam Engine.



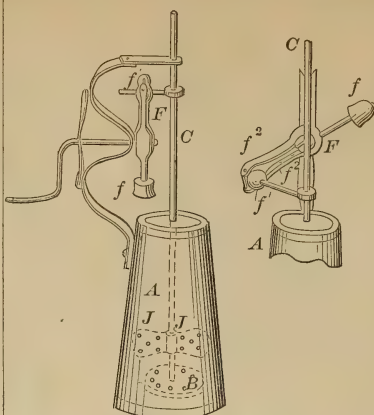
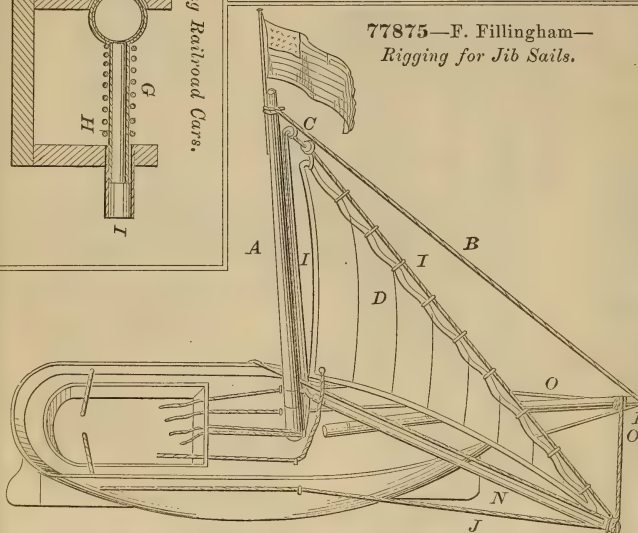
77870—M. G. Collins—For Boiling and
Stirring Fruit.



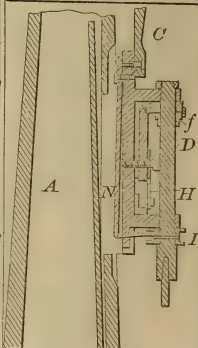
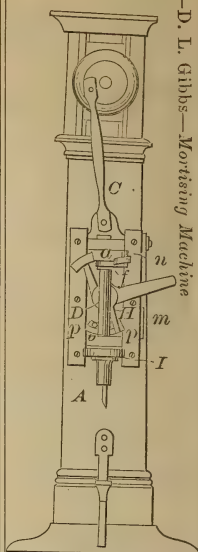
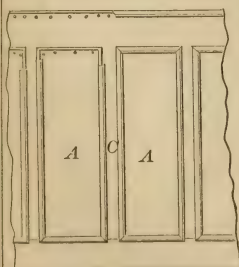
77872—E. Deetz—Adjustable Sofa.



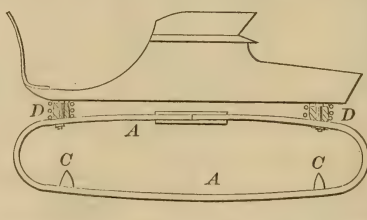
77873—W. C. Douthett—Churn.

77875—F. Fillingham—
Rigging for Jib Sails.

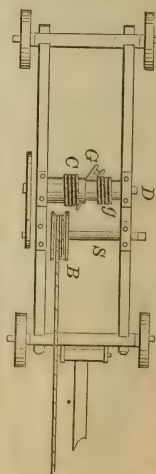
77877—D. L. Gibbs—Mortising Machine

77876—J. C. Finn—
Decorating Walls.

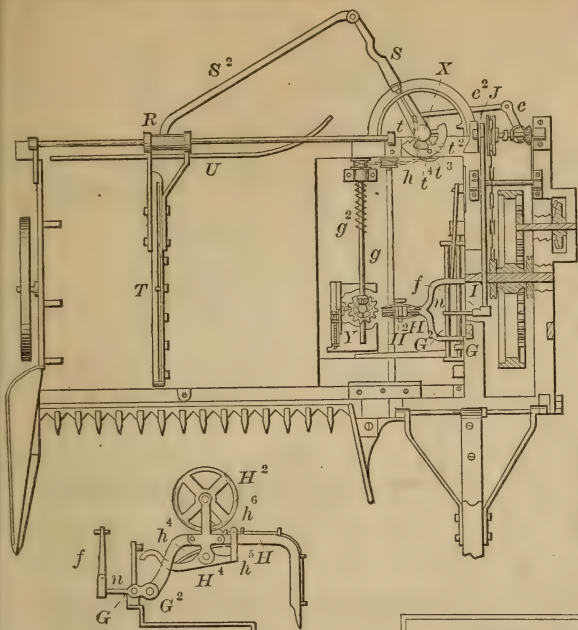
77880—W. B. Higgins—Carriage Spring.

77881—Hilton, Webster & Wheeler—
Chisel Handle.

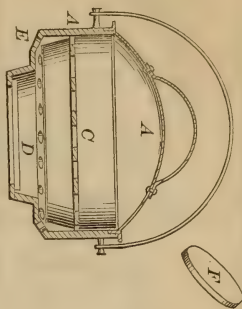
77879—J. Havens—Stump Extractor.



77878—J. F. Gordon—*Grain Binder.*



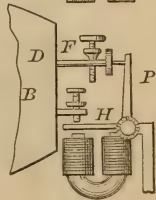
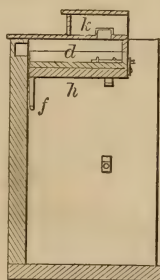
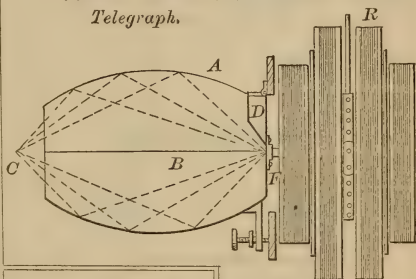
77884—G. B. Isham—*Culinary Apparatus.*



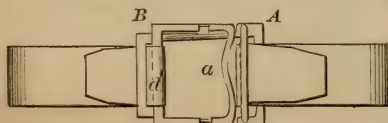
77887—M. K. Kellogg—*Postage and Revenue Stamp.*



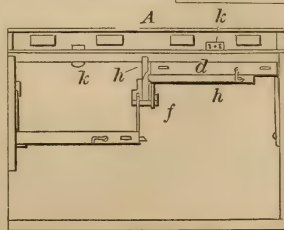
77882—R. E. House—*Electro-Phonic Telegraph.*



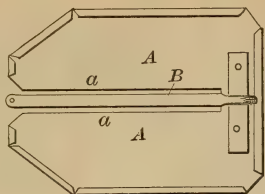
77885—J. H. James—*Buckle.*



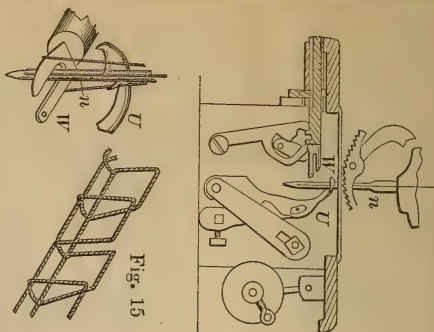
77883—G. W. Hunt—*Sleeping Car.*



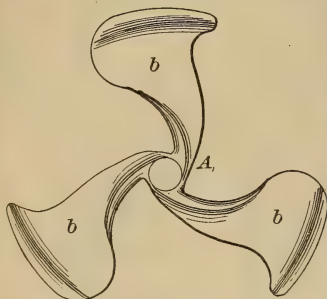
77886—W. J. Keep—*Shield for Smoothing Irons.*



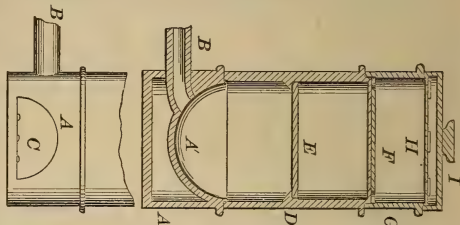
77889—O. C. Kerr—*Sewing Machine.*



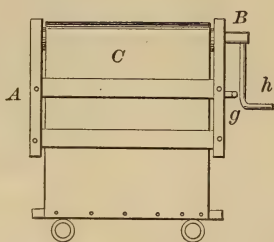
77888—J. E. Kennedy—*Propeller.*



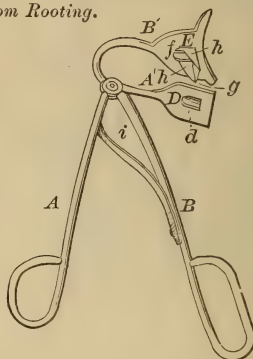
77892—E. I. Kline—*Beehive.*



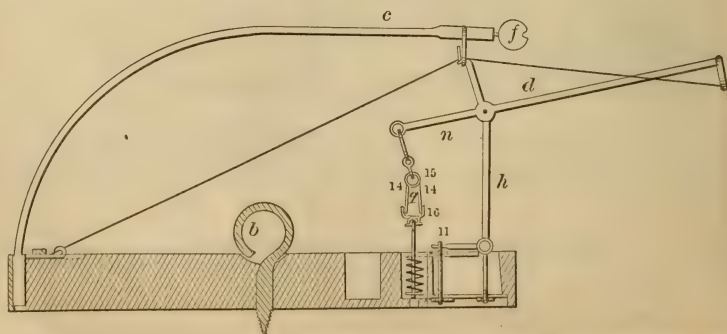
77890—I. Kinman—*Curtain Fixture.*



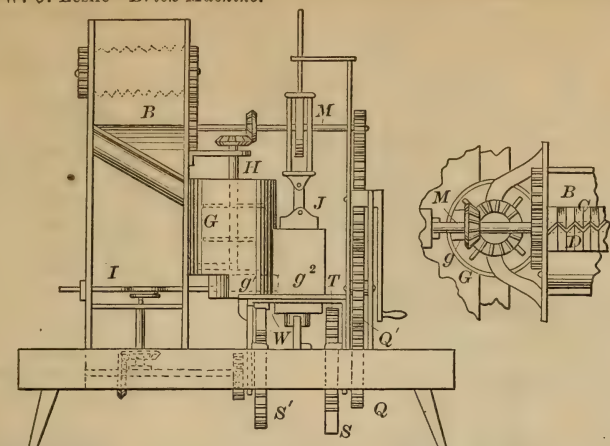
77891—J. D. Kirkpatrick—*Preventing Hogs from Rooting.*



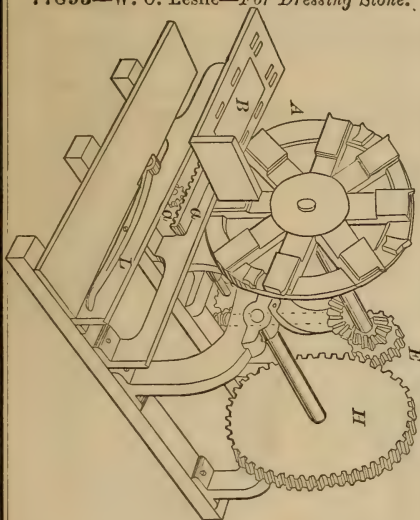
77893—J. Kochler—*Fishing Apparatus.*



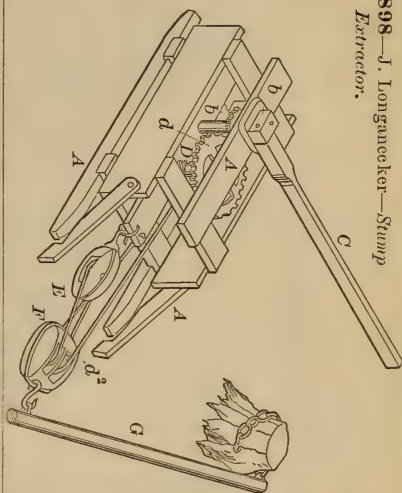
77894—W. O. Leslie—*Brick Machine.*



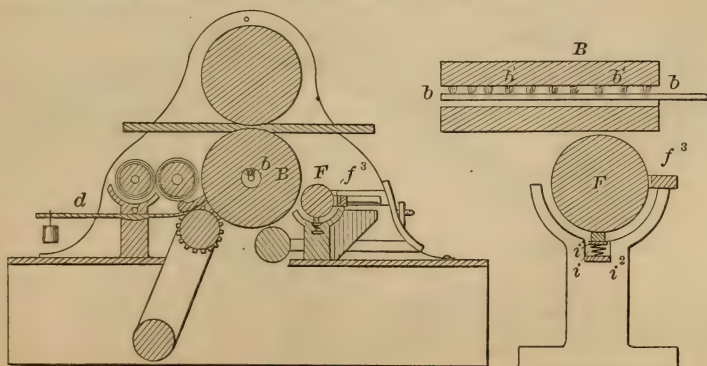
77895—W. O. Leslie—*For Dressing Stone.*



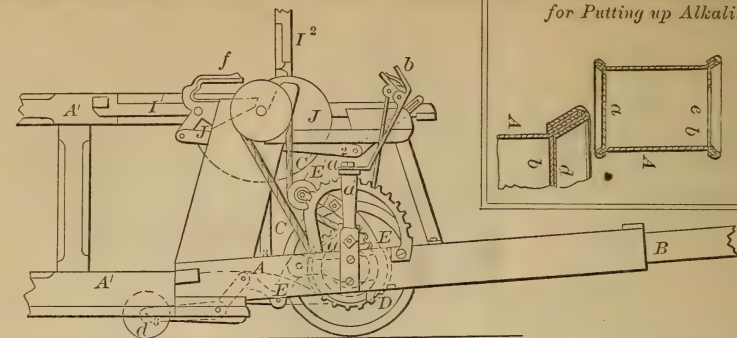
77898—J. Longanecker—*Stump
Extractor.*



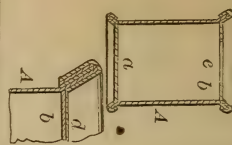
77896—Lewis & Stuart—*Cylindrical Plate Printing Machine.*



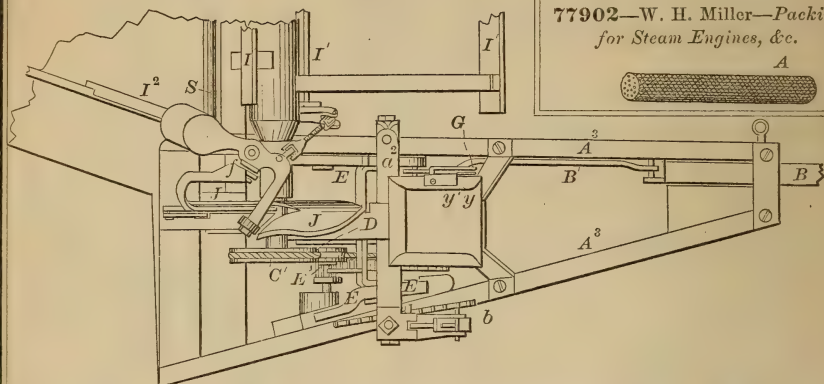
77897—E. I. Leyburn—Harvester.



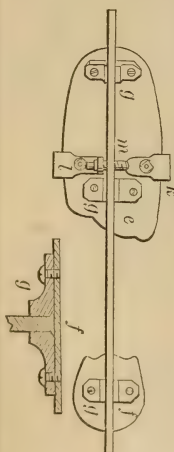
77899—J. McCoy—Metal Case for Putting up Alkali.



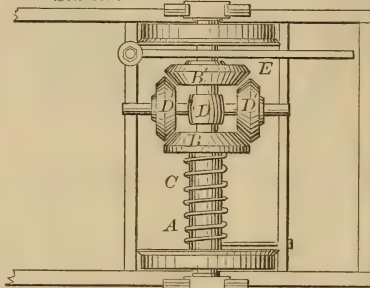
77902—W. H. Miller—Packing for Steam Engines, &c.



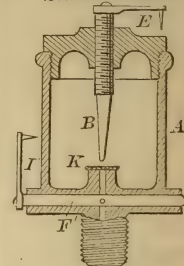
77901—A. T. Mignon—Slate.



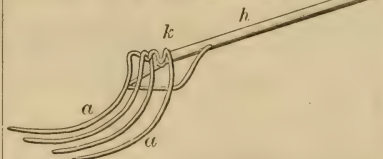
77903—C. D. Moody—Car Brake and Starter.



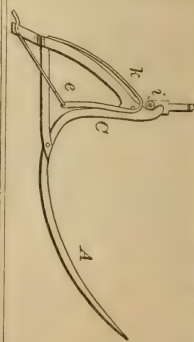
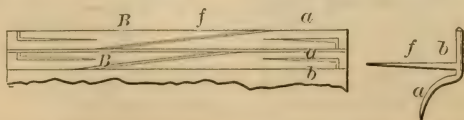
77900—McCullon & Woodcock—Oil Cup for Steam Pressure.



77906—F. W. Palmer—Hand Fork.

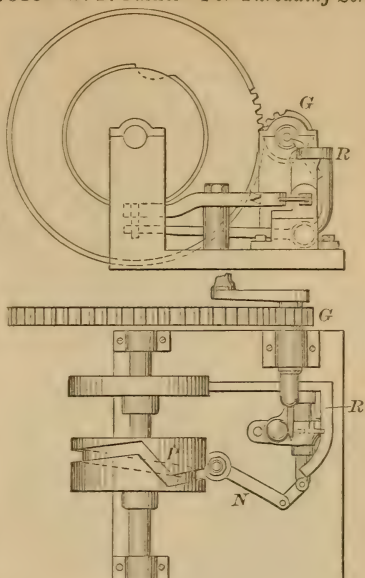


77905—G. Orr—Cutting and Forming Blind Hook Blanks.

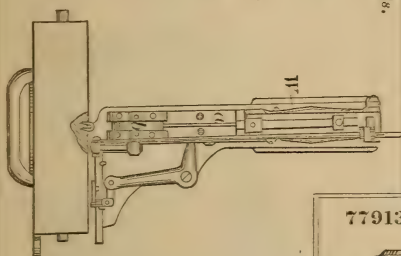
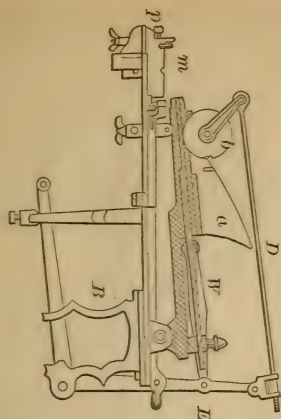


77907—N. Palmer—Horse Hay Fork.

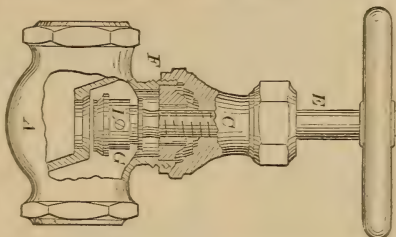
77910—W. F. Parker—For Threading Screws.



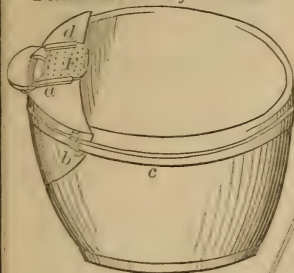
77908—G. Pancke—For Wiring Blind Stalks.



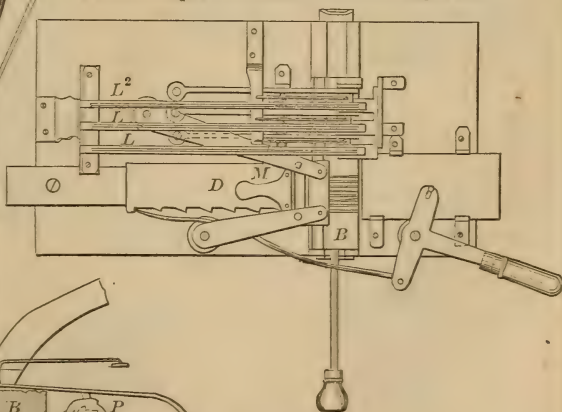
77913—J. Powell—Globe Valve.



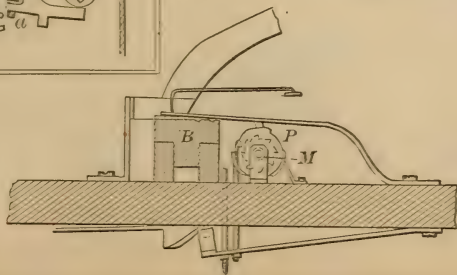
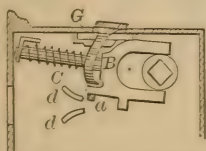
77914—G. Raymond—Detachable Nose for Bowls.



77912—Piper & Bradley—For Sticking Pins.



77909—J. E. Parker—Reversible Knob Latch.



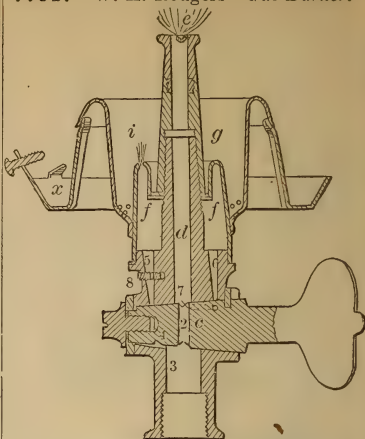
77915—J. F. Reiner—
Shackle Joint.



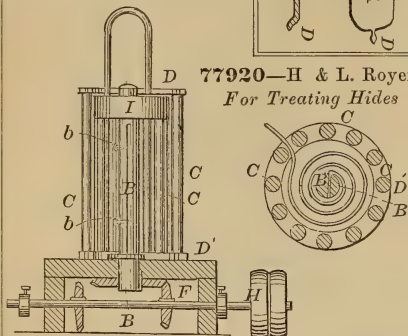
77916—C. F. Richei—*Can Opener.*



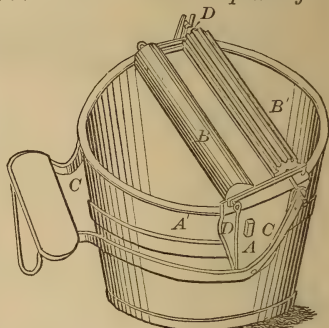
77917—W. H. Rodgers—*Gas Burner.*



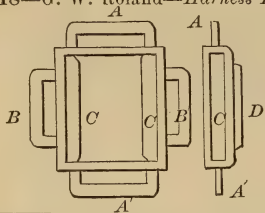
77920—H. & L. Royer—
For Treating Hides



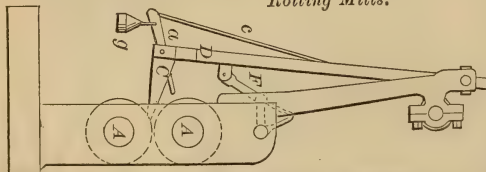
77919—H. B. Rorke—*Mop Wringer.*



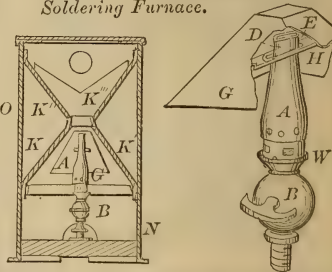
77918—G. W. Roland—*Harness Loop.*



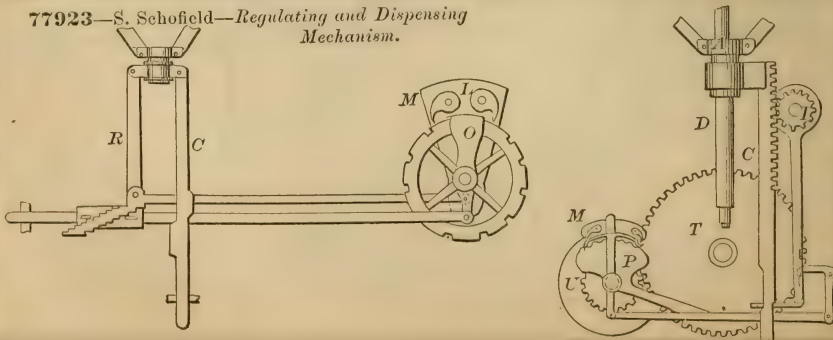
77922—E. Sanford—*For Handling Iron in
Rolling Mills.*



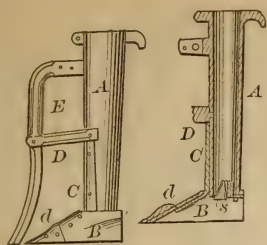
77921—G. O. Sanderson—
Soldering Furnace.



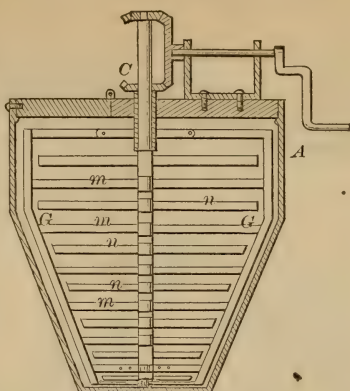
77923—S. Schofield—*Regulating and Dispensing
Mechanism.*



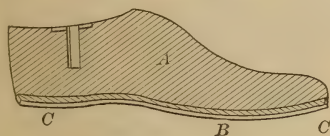
77924—J. H. Shreiner—Grain Drill.



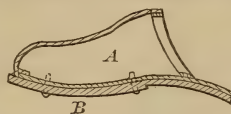
77926—J. C. Slaughter—Churn.



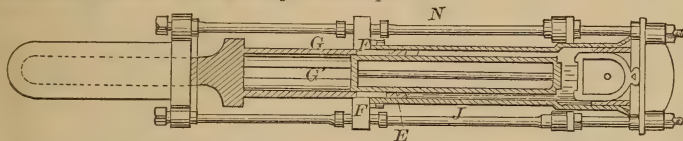
77931—J. H. Swain—Last.



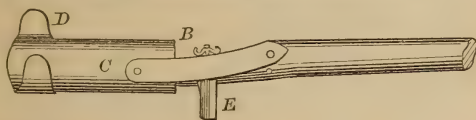
77927—A. G. Smith—Foxing and Soling Boots.



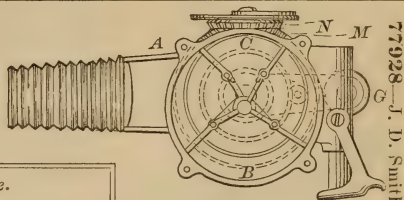
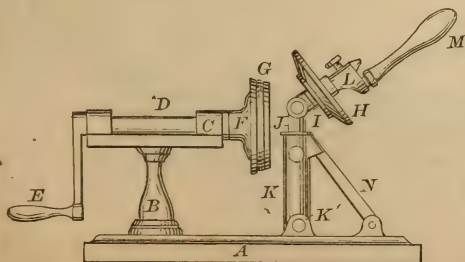
77925—R. Skinner—For Making Drain Pipe.



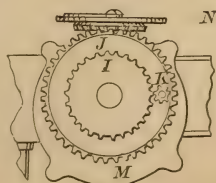
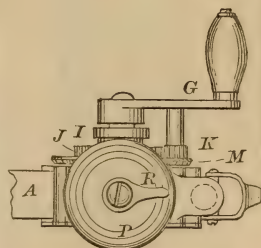
77930—G. H. Stevenson—Ditching Machine.



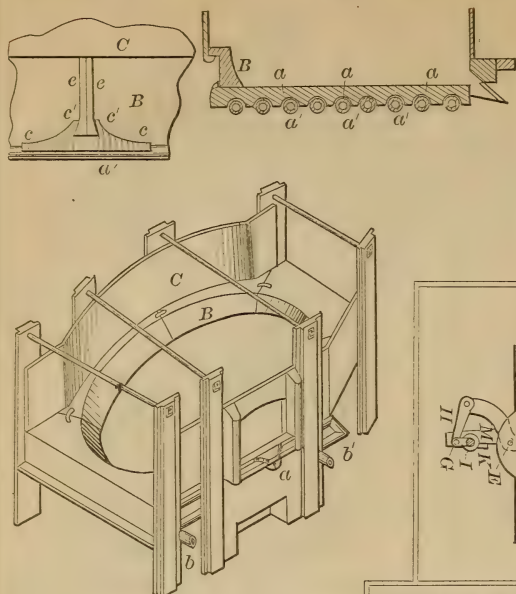
77929—C. F. Spaulding—Double Scamer for Tin Work.



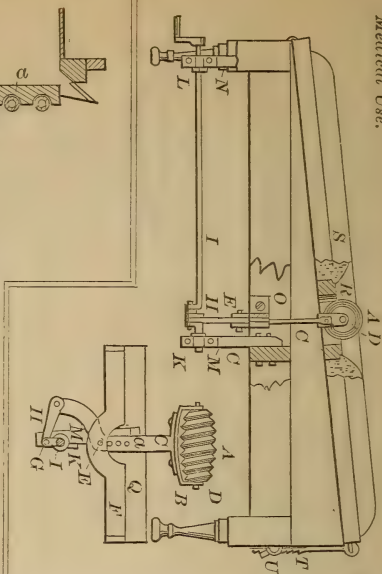
77928—J. D. Smith—Measuring Faucet.



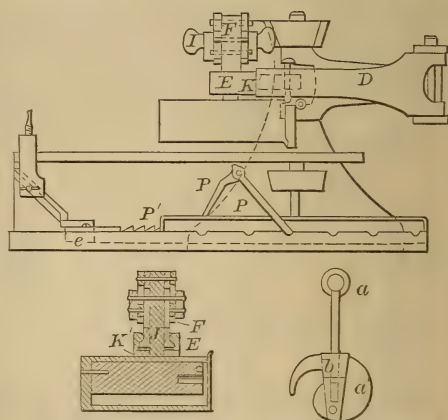
77932—W. Swindell—Puddling and Boiling Furnace.



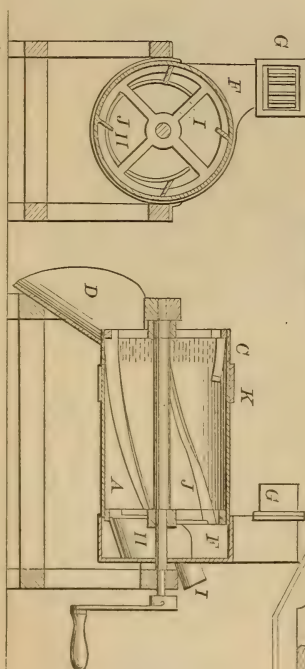
77983—G. H. Taylor—Oscillating Rubbing Machine for Medical Use.



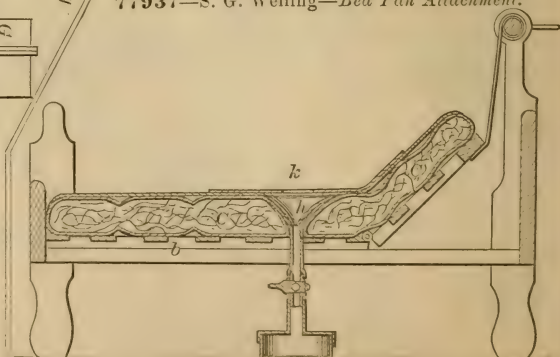
77934—J. W. Thorp—Tailors' Pressing Machine.



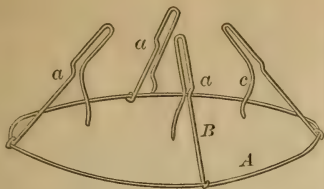
77935—D. H. Turner—For Cooling and Purifying Bone Black.



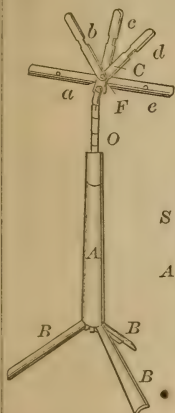
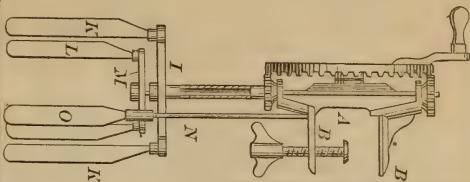
77937—S. G. Welling—Bed Pan Attachment.



77936—G. Wedekind—Lamp Shade.



77939—E. B. West—Churn Dasher.

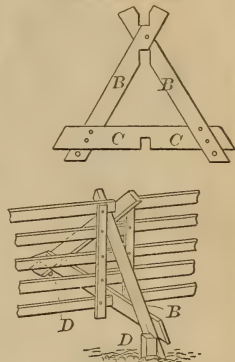


77940—D. M. White—Portable Music Stool.

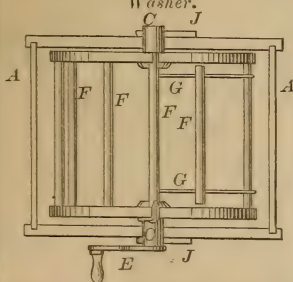


77941—W. H. White—Tube Well.

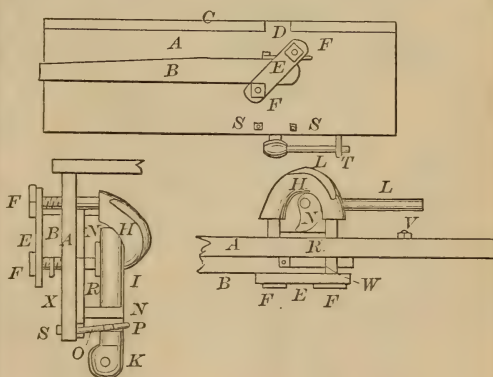
77942—T. B. Wickham—Portable Fence.



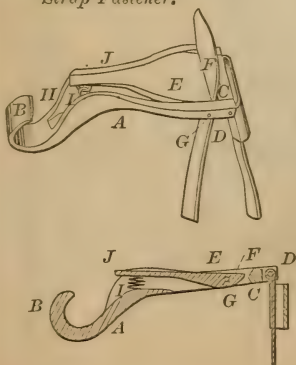
77944—G. H. Tift—Vegetable Washer.



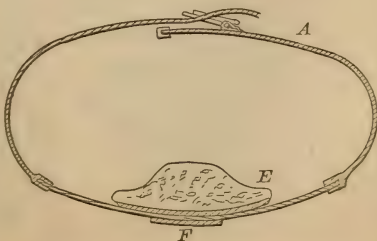
77943—W. J. Willits—Platform Car Stake Holder.



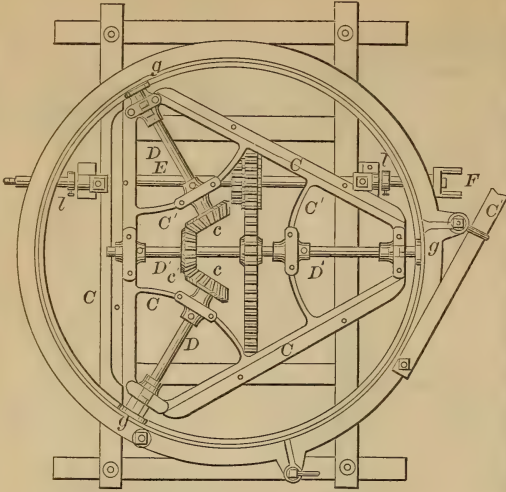
77946—J. B. Armstrong—Strap Fastener.



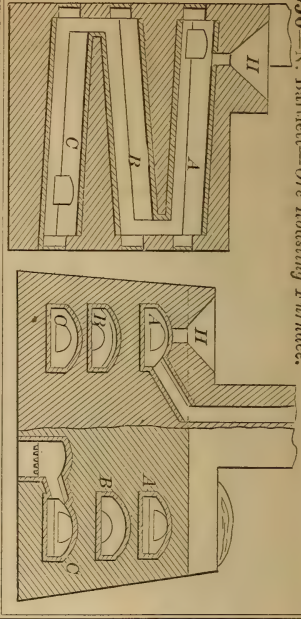
77947—S. Ayres—Truss.



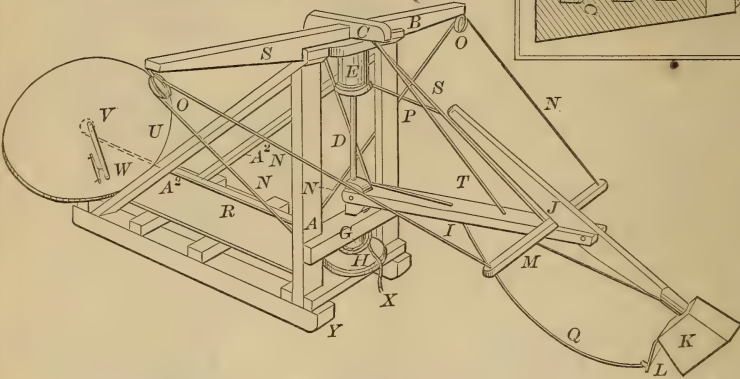
77945—Aldridge & Bedford—Horse Power.



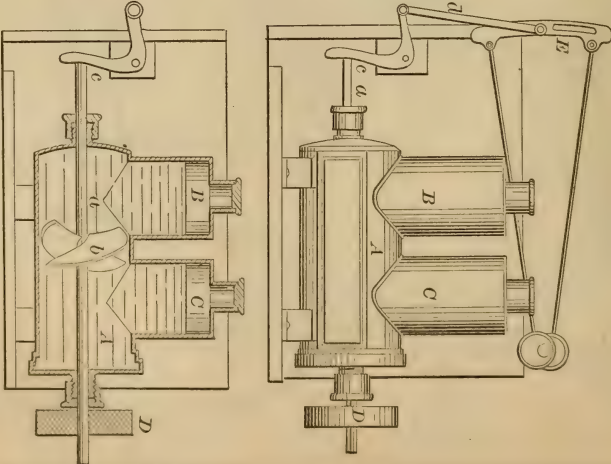
77950—N. Bartlett—Ore Roasting Furnace.



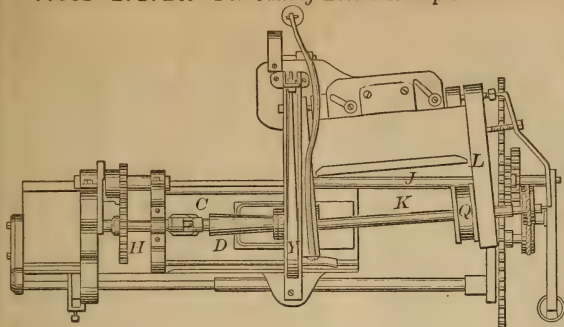
77949—E. Barnes—Ditching Machine.



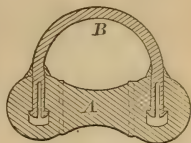
77948—C. H. Bacon—Steam Engine Governor.



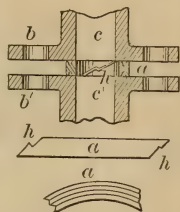
77951—B. F. Bee—*For Cutting Eccentric Taps.*



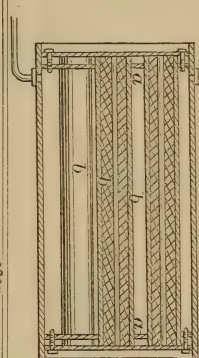
77953—S. Bickerstaff—
*Hermetically Closed
Padlock.*



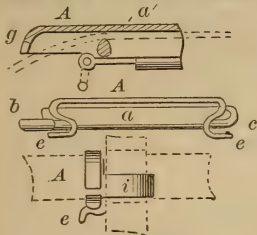
77954—H. Brocard—
*Packing for Joints of
Steam Water Pipes.*



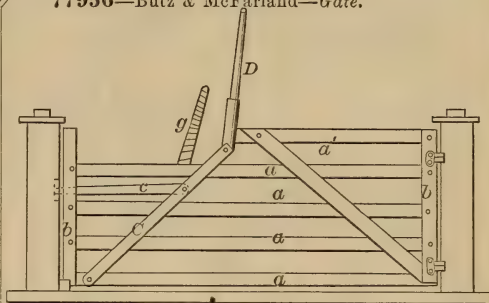
77952—H. W. Beins—Vulcanizing
India Rubber Car Springs.



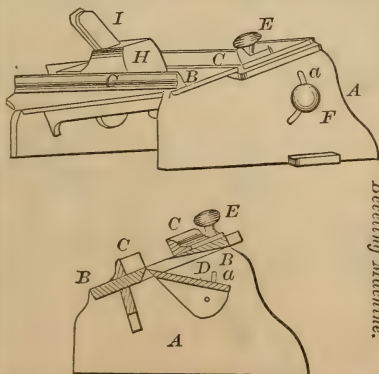
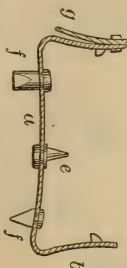
77955—S. P. Burdick—*Buckle*.



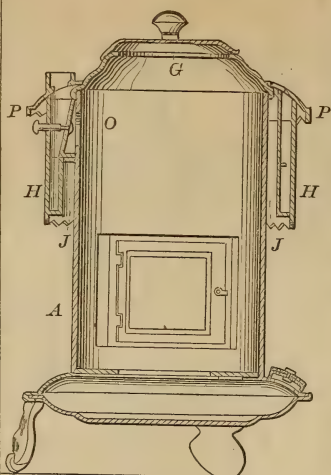
77956—Butz & McFarland—*Gate.*

77957—0. D. Chapman—*Tube Well.*

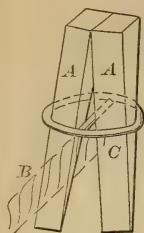
77958—W. P. Chase—Bookbinders' Beeling Machine.

77960—G. F. Clemens—*Heel Call.*

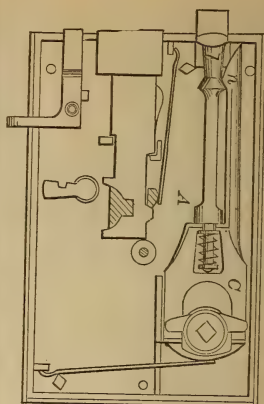
77962—T. Crane—Coal Stove.



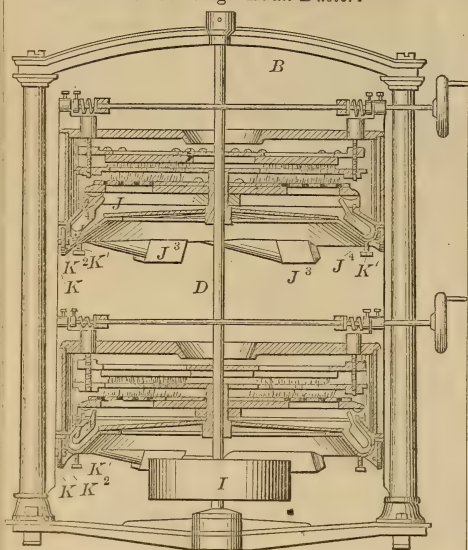
77961—C. C. Comstock—Right Dog.



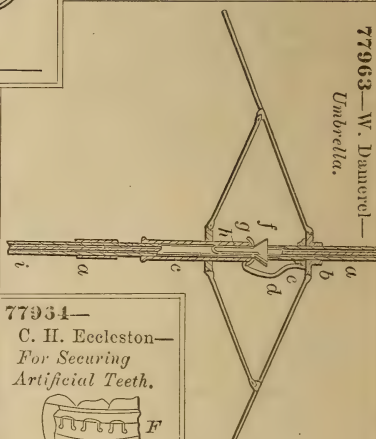
77966—B. Erbe—Reversible Knob Latch.



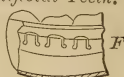
77965—P. T. Elting—Bran Duster.



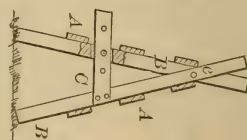
77963—W. Danerel—Umbrella.



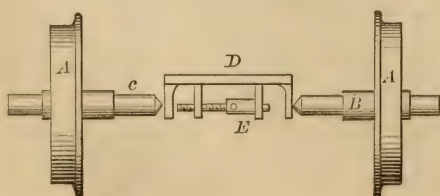
77964—C. H. Eccleston—For Securing Artificial Teeth.



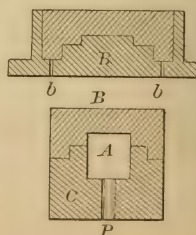
77967—O. J. Everson—Fence.



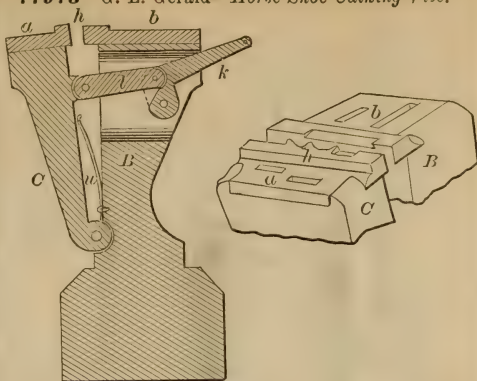
77968—W. B. Fahnestock—Car Axle.



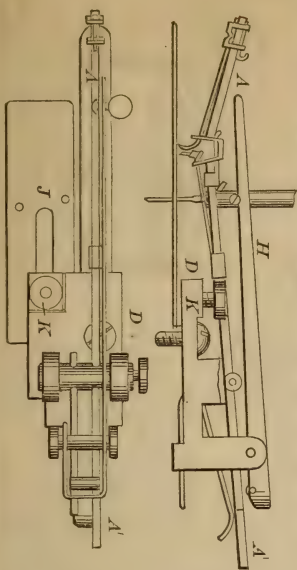
77969—Felthoff & Tingley—Mould for Making Drain Tiles.



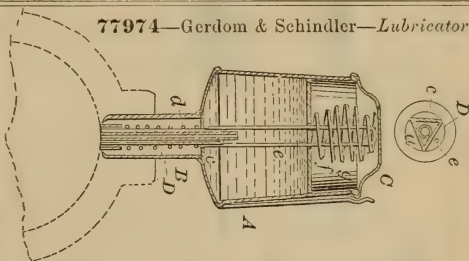
77973—G. L. Gerald—Horse Shoe Calking Vise.



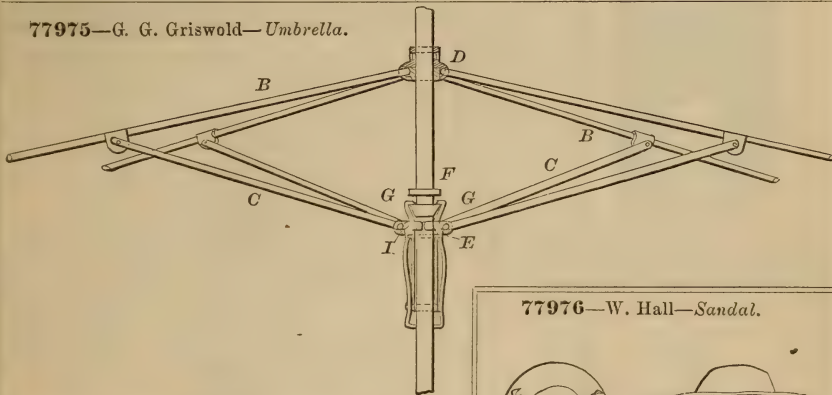
77972—H. W. Fuller—Creasing Apparatus for Sewing Machines.



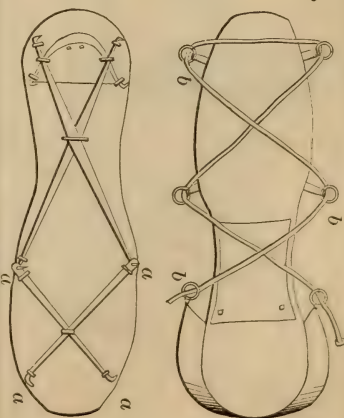
77974—Gerdorn & Schindler—Lubricator.



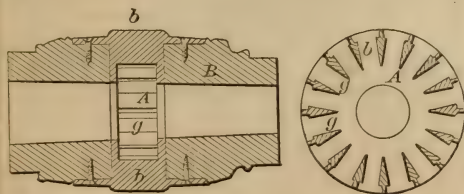
77975—G. G. Griswold—Umbrella.



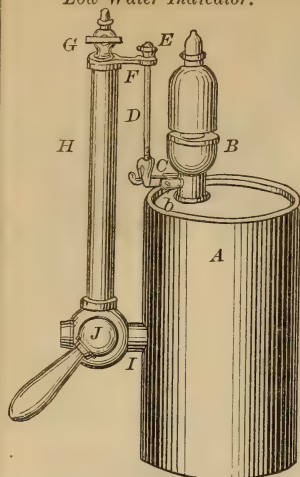
77976—W. Hall—Sandal.



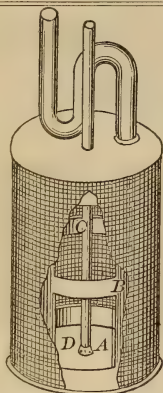
77977—H. D. Haraden—Carriage Wheel Hub.



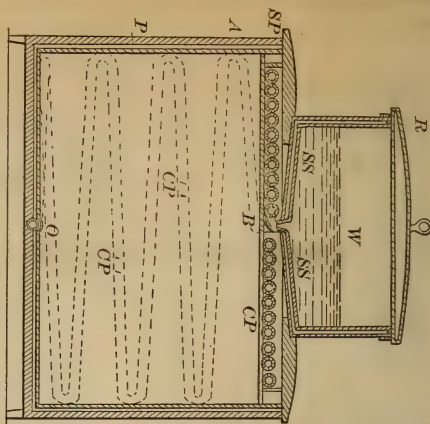
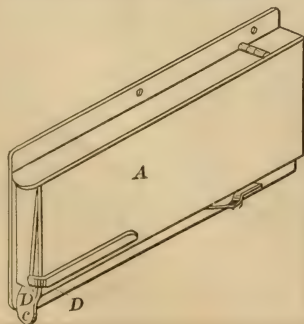
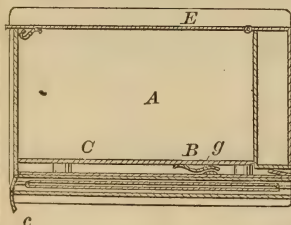
77978—Hargrave & Charlton—
Low Water Indicator.



77982—Hunt & Knight—For Collecting
Gases.

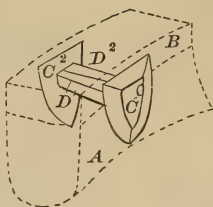


77984—M. Jincks—Match Safe.

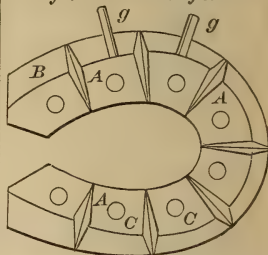


77980—J. H. Hollingsworth—Refrigerator.

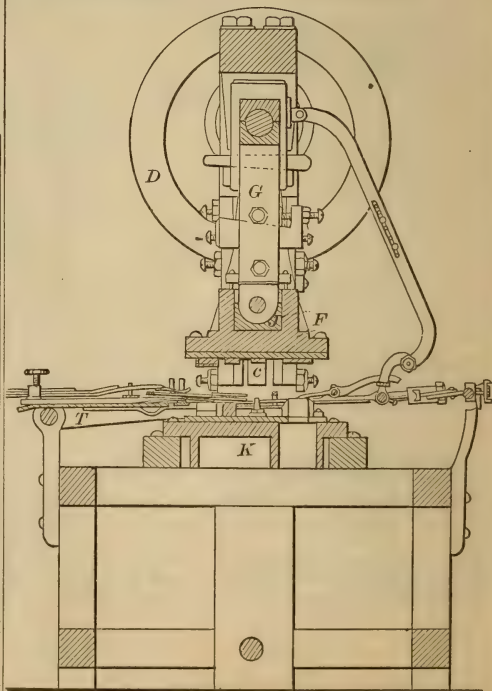
77981—W. H. Hovey—
Securing Tires to Wheels.



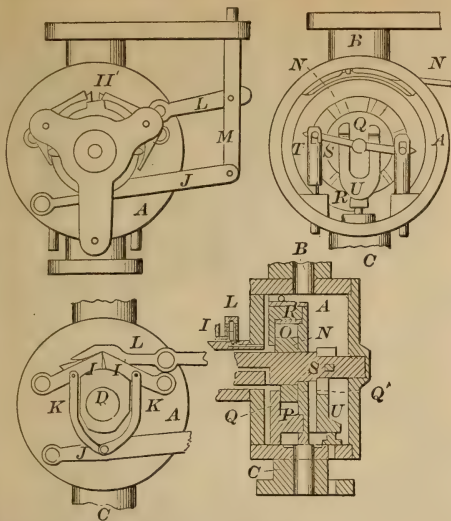
77979—J. Haseltine—Pad
for Horses' Hoofs.



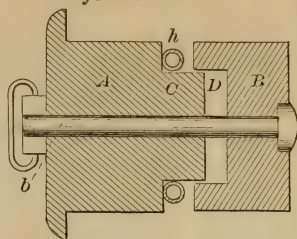
77985—W. H. Johnson—Cutting Machine.



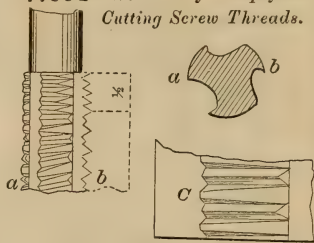
77986—A. Kendall—Cut-off Valve Gear.



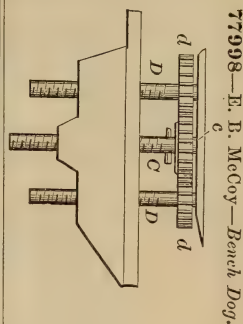
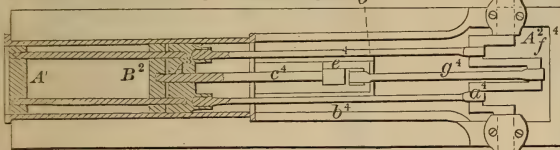
77988—T. T. S. Laidley—Tompson for Fire Arms.



77994—W. Mantey—Tap for Cutting Screw Threads.

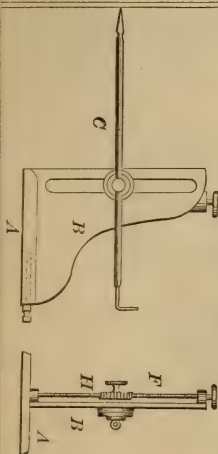


77989—H. O. Lothrop—Steam Engine.

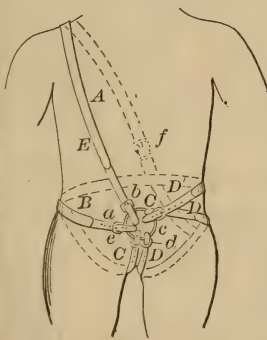


77998—E. B. McCoy—Bench Dog.

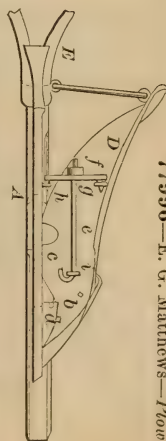
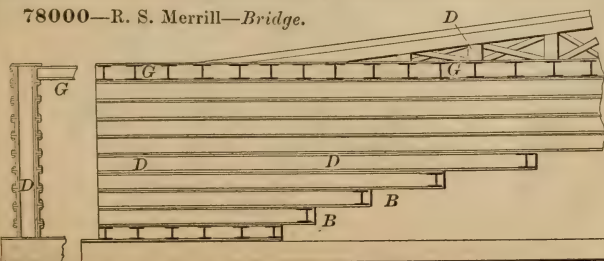
77997—E. W. Mathewson—Gauge.



77999—J. McFadden—Truss Supporter.

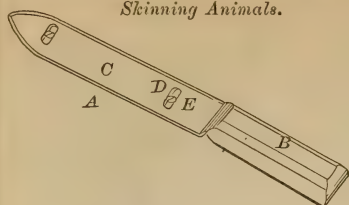


78000—R. S. Merrill—Bridge.

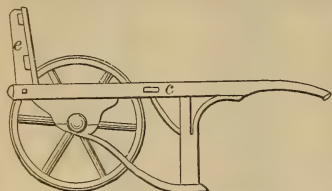


77996—E. G. Mathews—Plow.

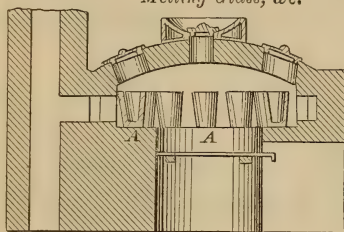
78002—G. W. Myers—*Knife for Skinning Animals.*



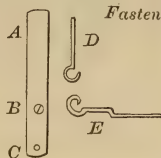
78003—W. F. Newcombe—*Wheelbarrow.*



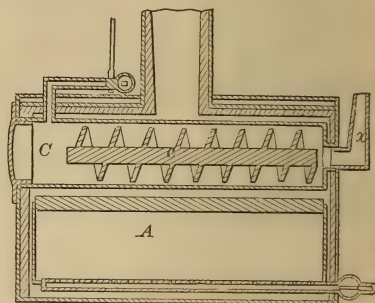
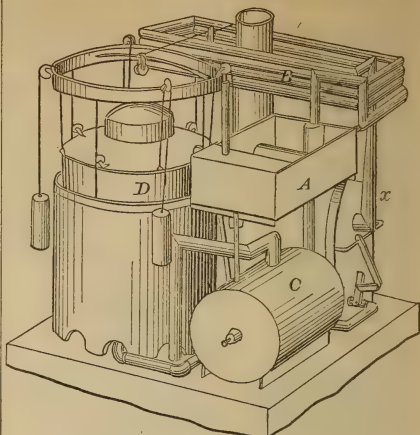
78007—W. P. Prickett—*Furnace for Melting Glass, &c.*



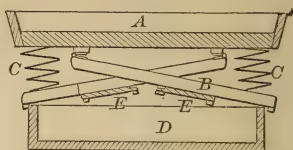
78004—J. M. Peirce—*Blind Slat Fastening.*



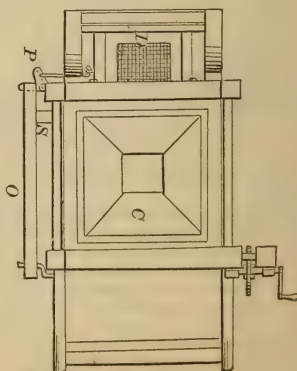
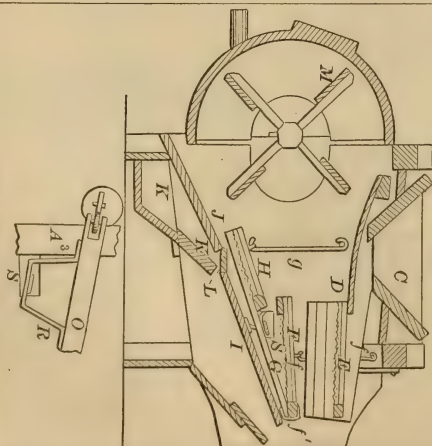
78006—J. Ponton—*Gas Apparatus.*



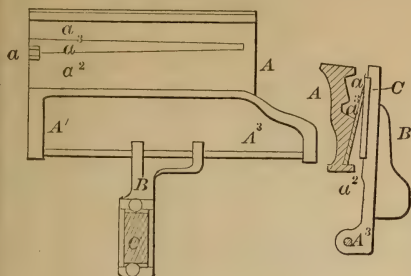
78009—A. Reichert—*Spring Wagon Seat.*



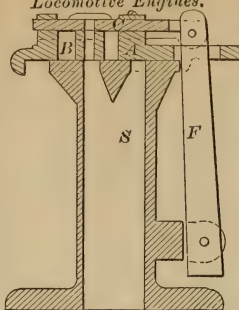
78008—Ray & Leigh—*Fanning Mill.*



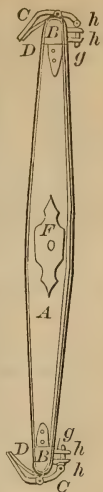
78010—C. H. Reynolds—*Knife Sharpener.*



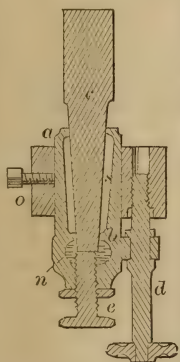
78012—G. Richards—*Throttle Valve for Locomotive Engines.*



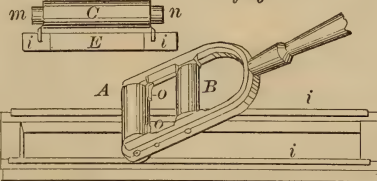
78011—E. D. & J. P. Rhoads—*Trace Fastener.*



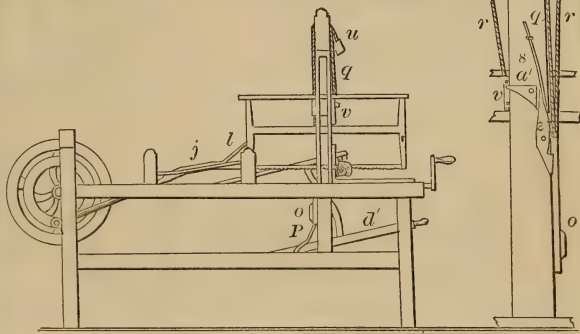
78013—J. Richards—*Bearing for Spindles.*



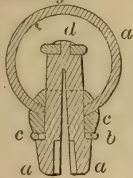
78014—Richardson & Cole—*For Rolling Roofing.*



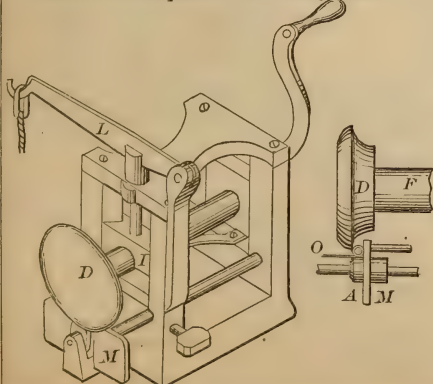
78019—A. E. Ross—*Sawing Machine.*



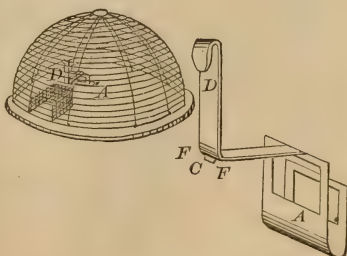
78020—E. C. Ryer—*Watch, Clock and Lock Key.*



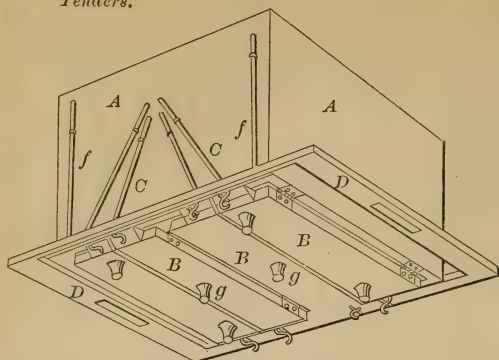
78021—J. Shepard—*For Wiring Pans.*



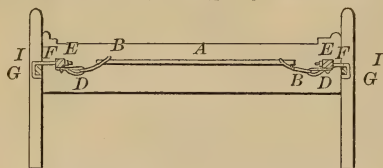
78015—T. L. Rivers—*Animal Trap.*



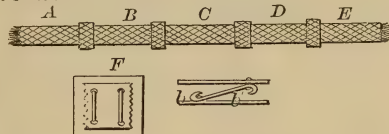
78022—A. D. Smith—*Loader for Locomotive Tenders.*



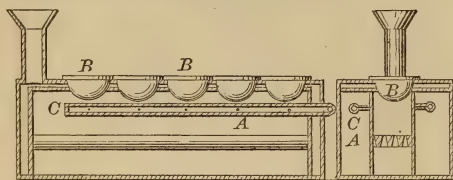
78026—J. C. Taylor—*Spring Bed Bottom.*



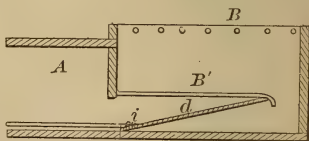
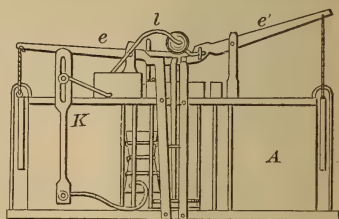
78027—E. Thomas—*Necktie.*



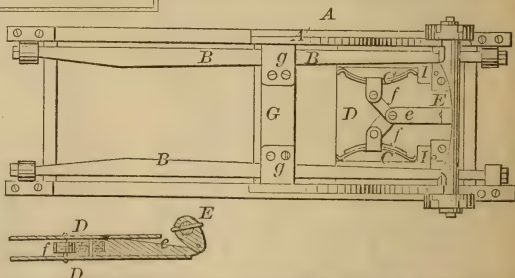
78028—J. M. Thompson—*Evaporator.*



78029—J. Trainer—*Animal Trap.*



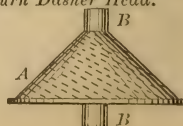
78030—C. S. Tyson—*Gun Carriage.*



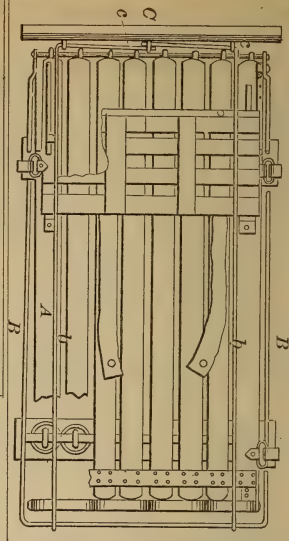
78032—E. Wadhams—*Metallic Tag for Straps.*



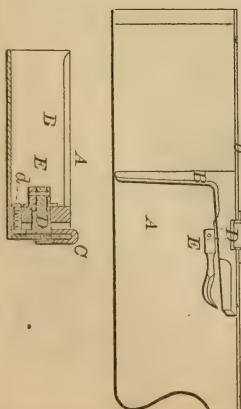
78025—B. F. & A. H. Stover—*Churn Dasher Head.*



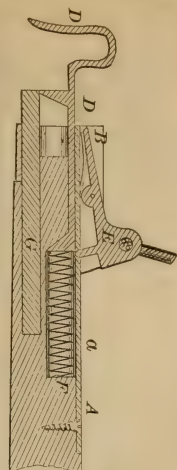
78024—E. Steinel—*Mosquito Bar.*



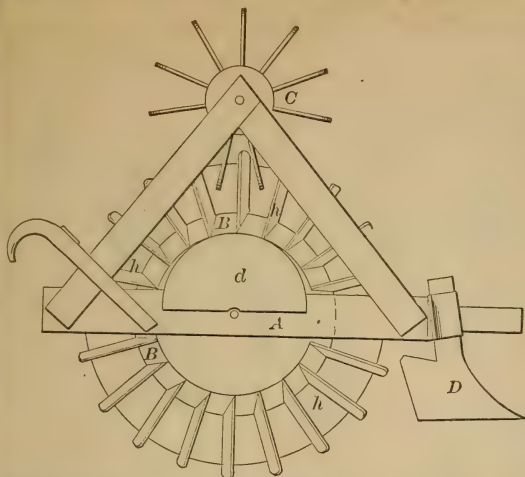
78033—J. L. Wait—*Composing Stick.*



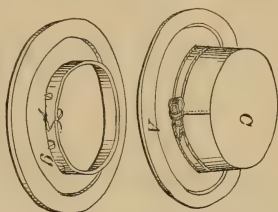
78034—H. Webster—Wiggletree.



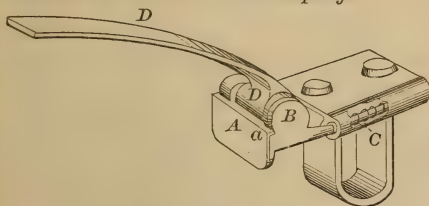
78031—Vaughn & Channess—Subsoil Plow.



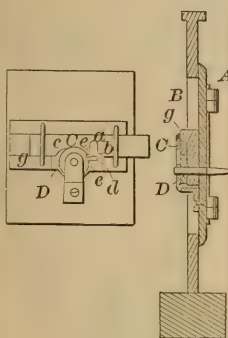
78036—W. H. White—Hat.



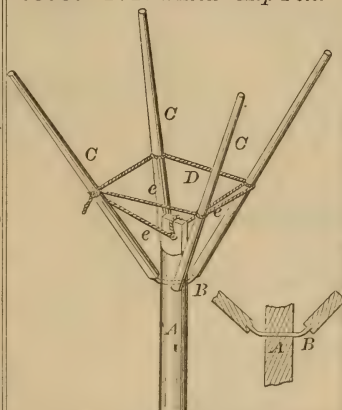
78035—H. Webster—Thill Coupling.



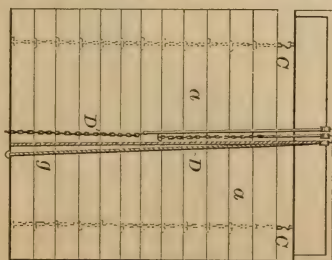
78038—L. L. Wooley—Door Lock.



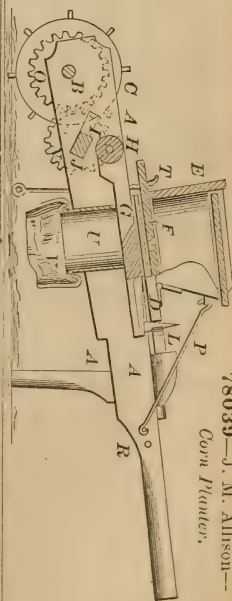
78037—D. F. Wilcox—Hop Pole.

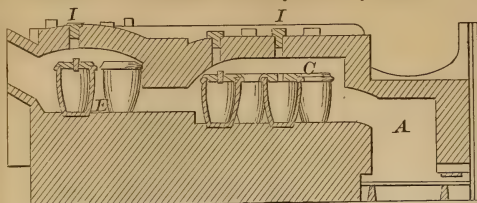
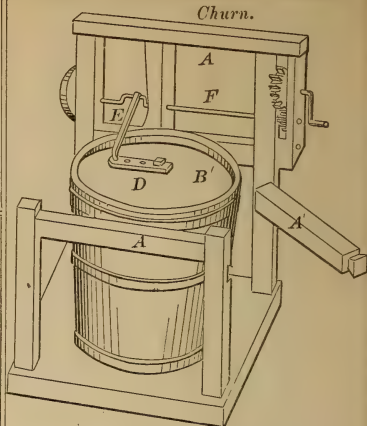
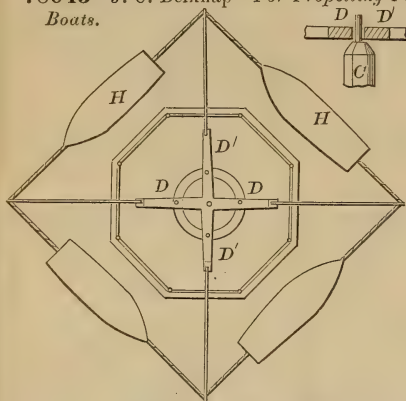
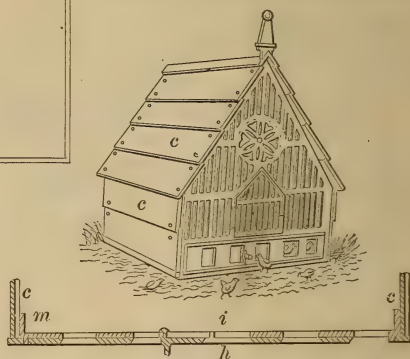
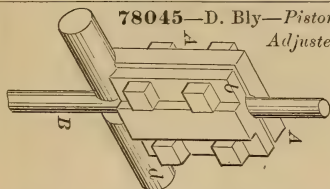
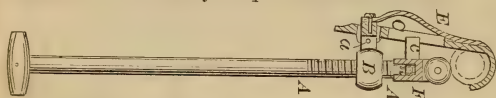
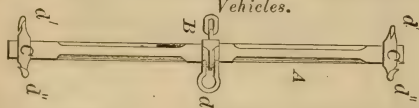
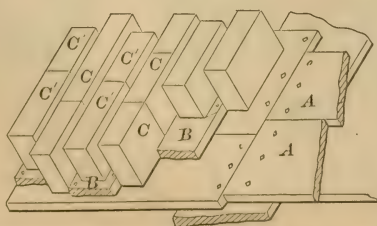
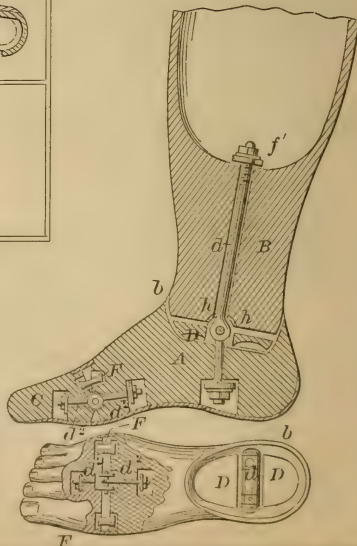


78040—Andresen & Asbahr—Venetian Blind.

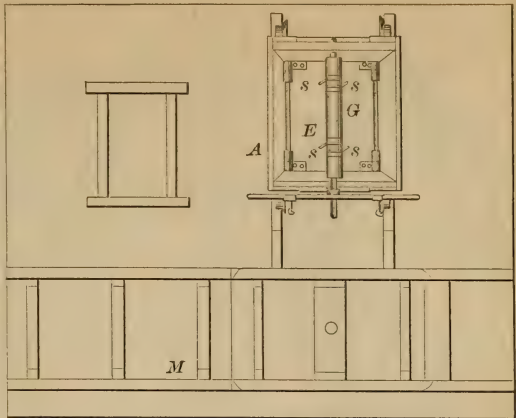


78039—J. M. Allison—Corn Planter.

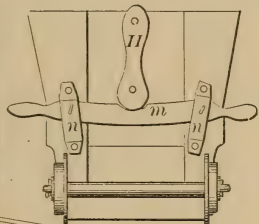
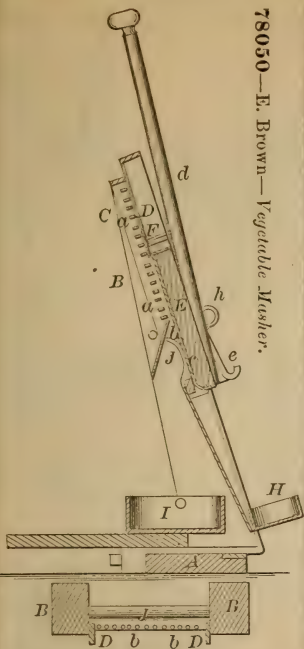


78041—F. Asthower—*Manufacture of Steel.*78042—Bartholomew & Dinsmore—*Churn.*78043—J. O. Belknap—*For Propelling Pleasure Boats.*78044—S. S. Bent—*Chicken Coop.*78045—D. Bly—*Piston Rod Adjuster.*78047—J. L. Brierly—*Pipe Wrench and Cutter.*78049—W. P. Brooks—*Draught Attachment for Vehicles.*78046—W. W. Boyington—*Pavement.*78048—R. Briody—*Artificial Limb.*

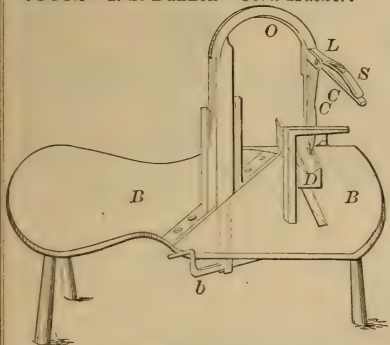
78051—J. Bundy—Peat Car.



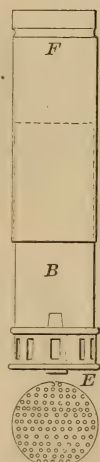
78050—E. Brown—Vegetable Husker.



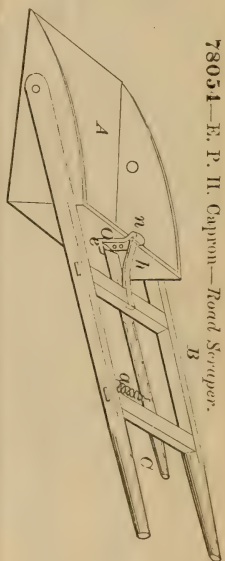
78052—I. S. Bunnell—Corn Husker.



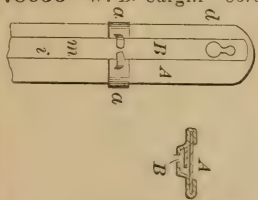
78053—C. Burnham—Gas Heater.



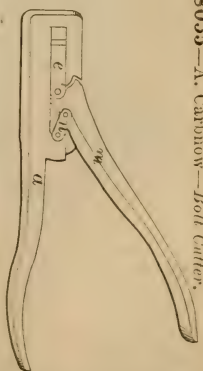
78054—E. P. H. Capron—Road Sweeper.



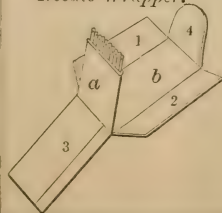
78056—W. B. Cargill—Corset Fastening.



78055—A. Carbow—Bolt Cutter.



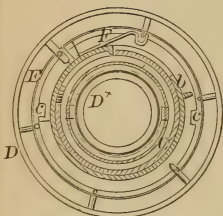
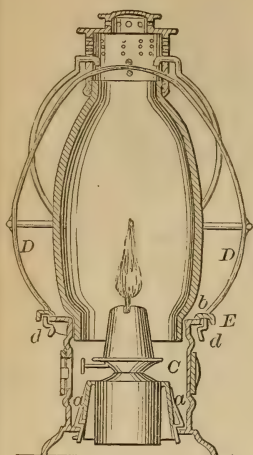
78059—J. Clarke—Needle Wrapper.



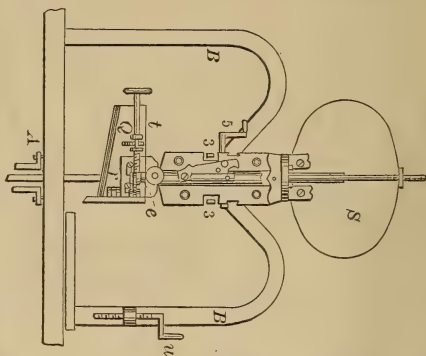
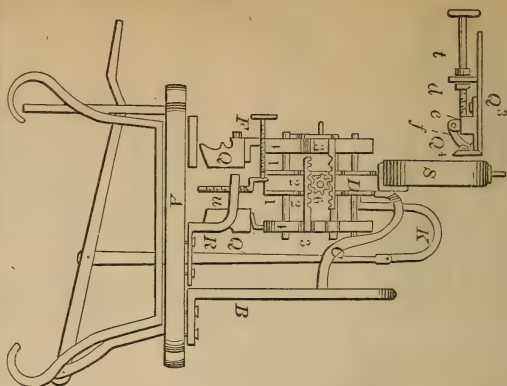
78057—D. M. Church—Sewing Machine Shuttle.



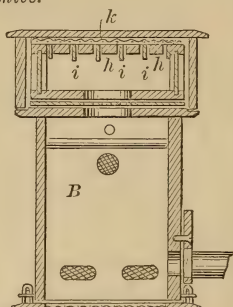
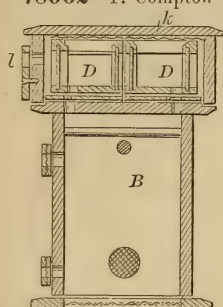
78058—P. J. Clark—
Lantern.




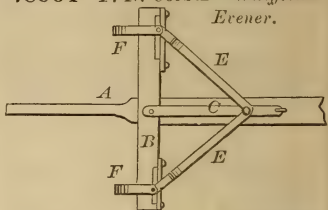
78060--W. F. Cobb--*Tenoning Machine.*



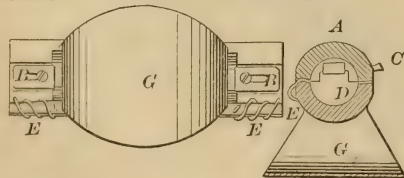
78062—P. Compton—*Beehive*.



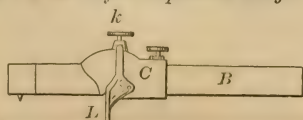
78064—F. N. Corbin—*Whiffletree*
 *Erener.*



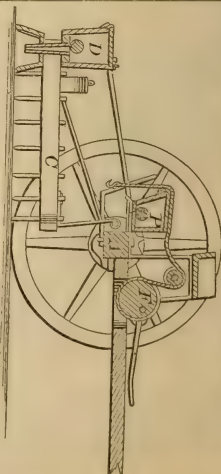
78063—D. T. Conde—*Sad Iron Holder.*



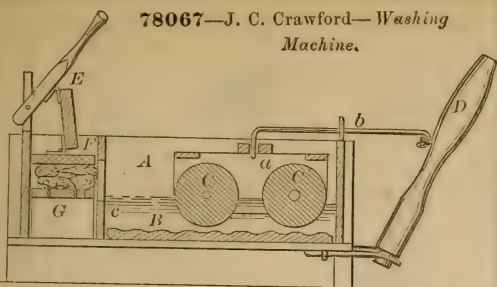
78065—F. W. Coy—*Carpenters' Gauge.*



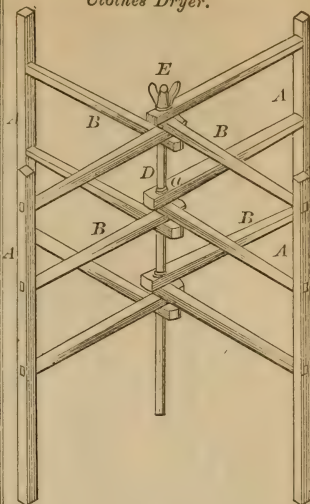
78066—E. F. Crawford—*Seeler* and *Cultivator*.



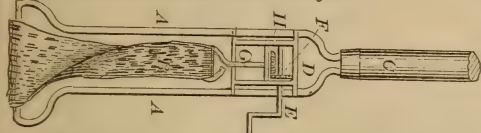
78067—J. C. Crawford—*Washing Machine.*



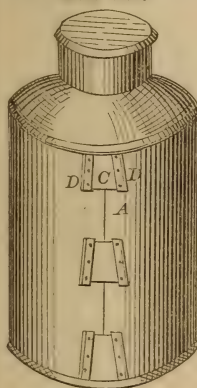
78069—J. D. Davenport—*Clothes Dryer.*



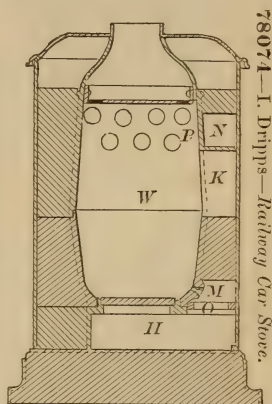
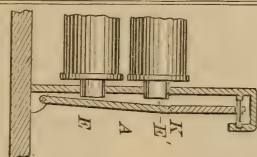
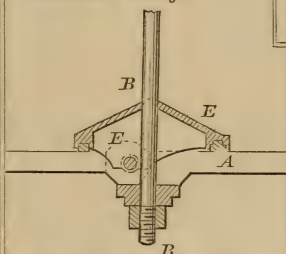
78071—A. J. Davis—*Mop Wringer.*



78072—J. E. Dean—*Milk Can.*

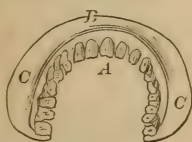


78073—Denmead & Bollman—*Bridge.*

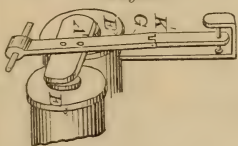


78074—I. Driggs—*Railway Car Stove.*

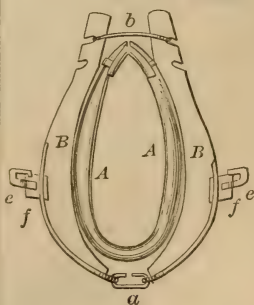
78070—V. R. David—*Inserting Artificial Teeth.*



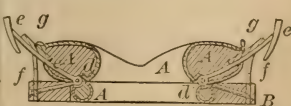
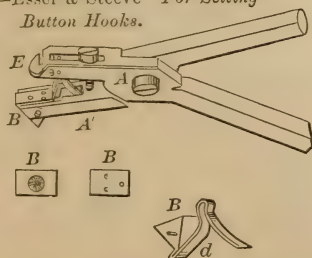
78076—C. Durant—*Relay Magnet.*

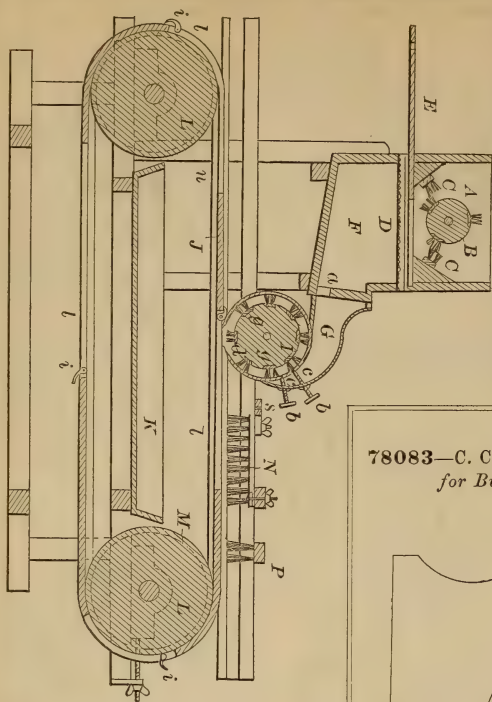
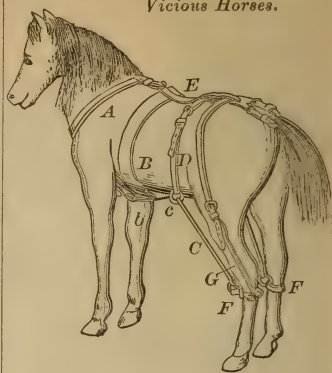
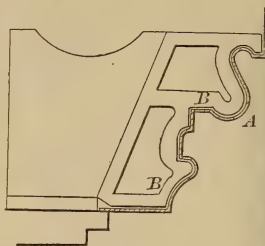
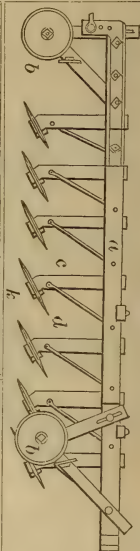
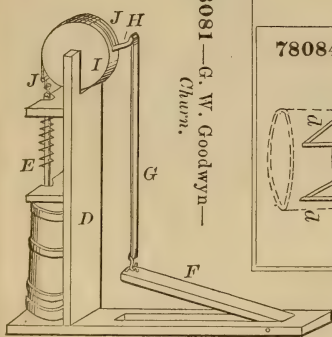
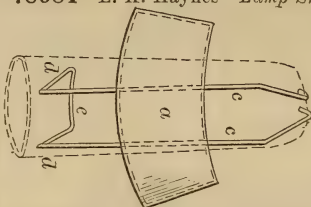
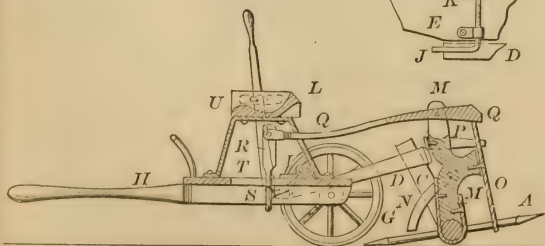
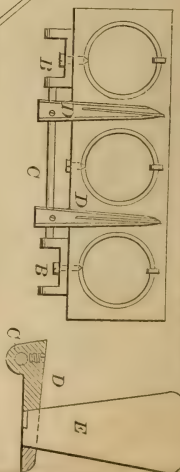


78075—A. Dunbar—*Horse Collar and Hames.*

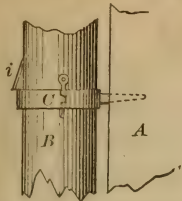


78077—Esser & Steeve—*For Setting Button Hooks.*

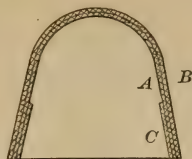


78079—M. H. Gardner—*For Enameling Paper.*78082—S. L. Gray—*Harness for Vicious Horses.*78083—C. C. Hare—*Cornice for Buildings.*78080—H. A. Gaston—*Cultivator.*78081—G. W. Goodwyn—*Churn.*78084—E. K. Haynes—*Lamp Shade.*78086—W. A. Heath—*Hay Rake.*78085—F. Haythorn—*Spinning Frame.*

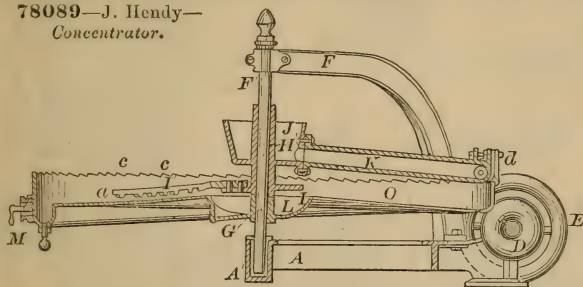
78087—G. A. Hein—Water Spout Fastening.



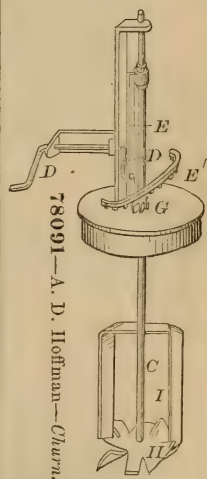
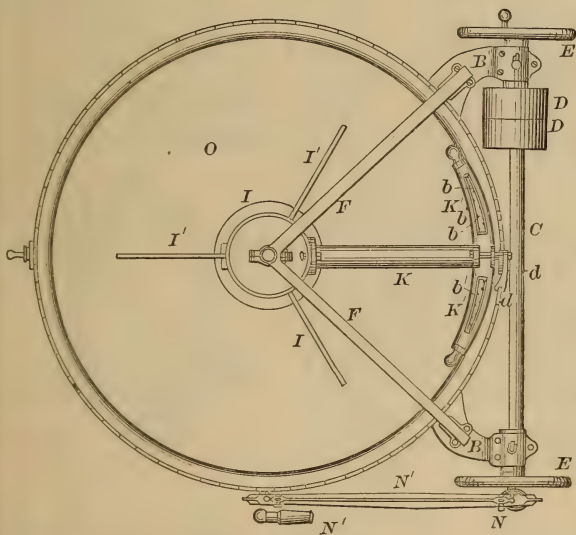
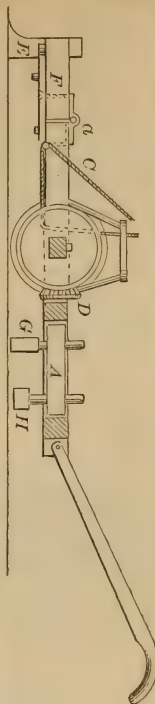
78090—R. D. Hine—Facing Wool Hat Bodies with Fur.



78089—J. Hendy—Concentrator.

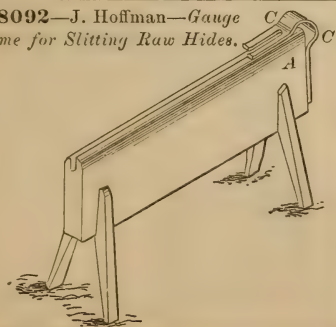


78088—L. Henderson—Cotton Cultivator.

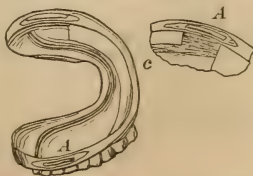


78091—A. D. Hoffman—Churn.

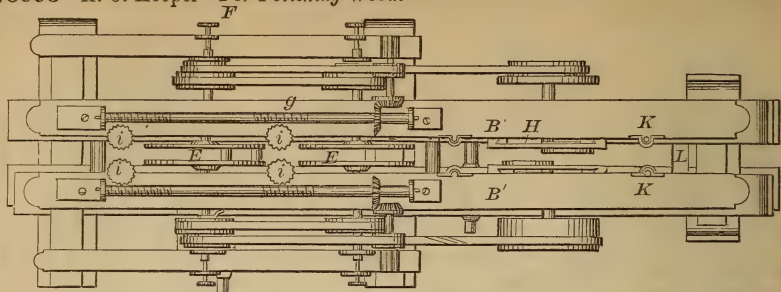
78092—J. Hoffman—Gauge Frame for Slitting Raw Hides.



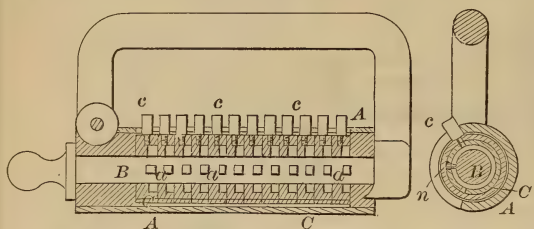
78094—I. A. Horn—Plate for Artificial Teeth.



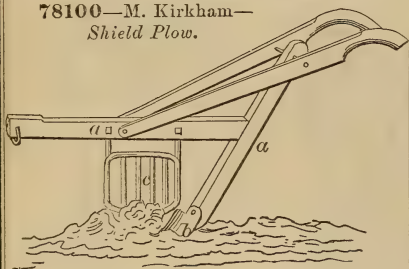
78093—H. O. Hooper—*For Polishing Wood.*



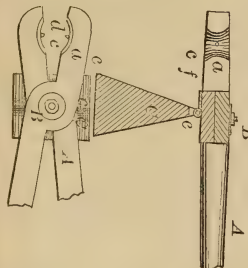
78097—G. Kaiser—*Permutation Lock.*



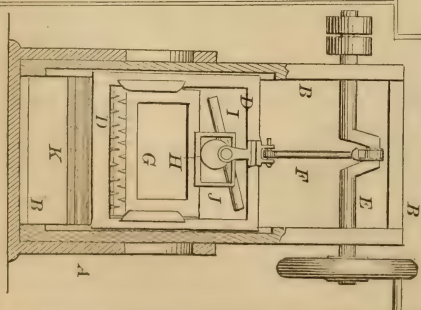
78100—M. Kirkham—
Shield Plow.



78103—I. W. Legg—For Pulling Hop Poles.



78102—L. F. Lunnay—
For Washing Brushes

78098—J. F. Keeler—*Scale Beam.*

78095—V. R. W. Horton—*Farm Gate*

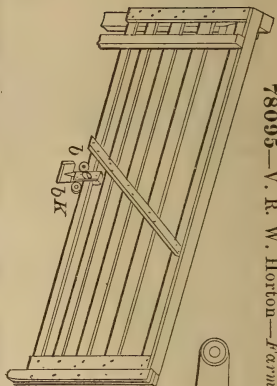
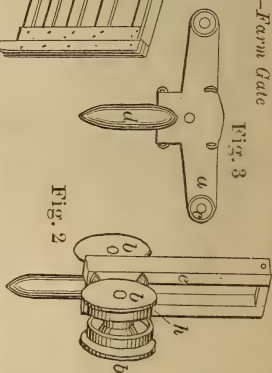
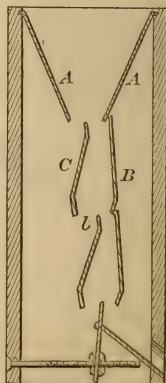


Fig. 3

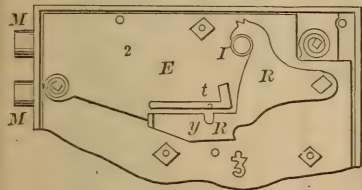
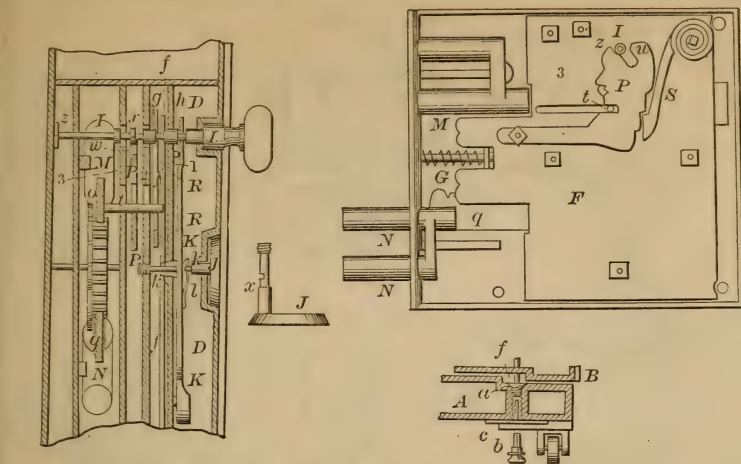
Fig. 2



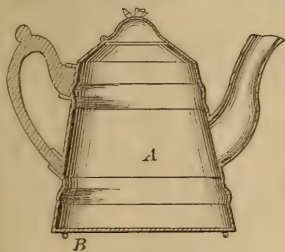
78099—C. F. Keller—*For Taking Toll in
Grist Mills.*



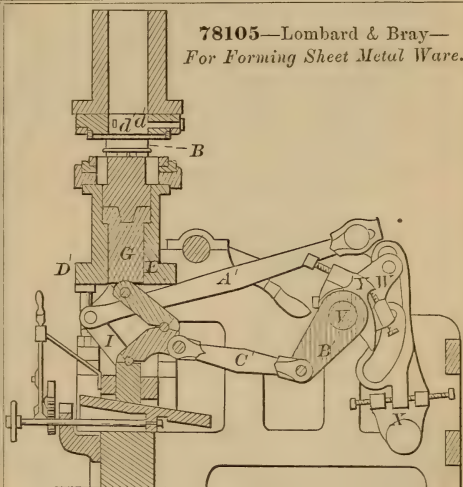
78101—J. G. Kriechbaum—*Safe Door Lock.*



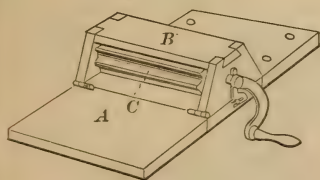
78104—L. Lehmann—*Tin Ware.*



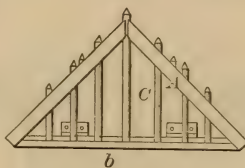
78105—Lombard & Bray—*For Forming Sheet Metal Ware.*



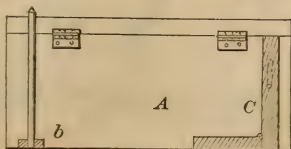
78106—S. H. Lombard—*Dough Kneader.*



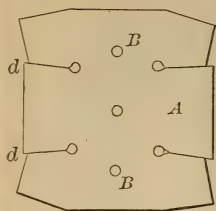
78109—J. H. Mabbett—*Chicken Coop.*



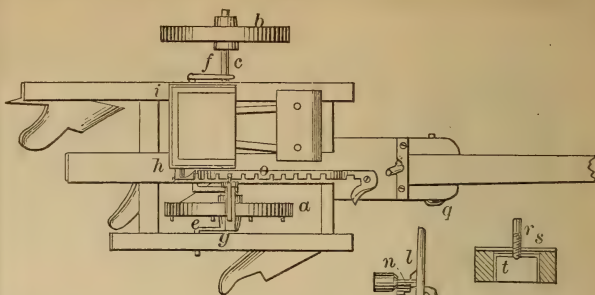
78107—J. Lorenz—*Organ Pipe.*



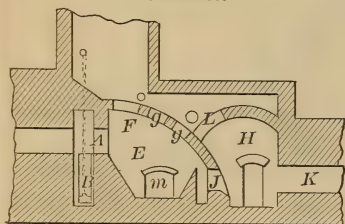
78110—O. Macdaniel—
Fruit Basket.



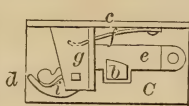
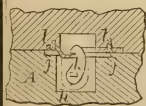
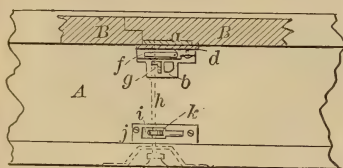
78111—G. W. Manuel—Gang Plow.



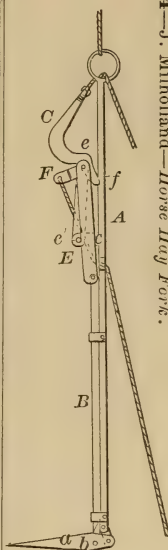
78113—C. Mellinger—Ore Roasting
Furnace.



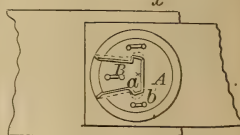
78115—W. J. Miller—Sash and
Shutter Fastening.



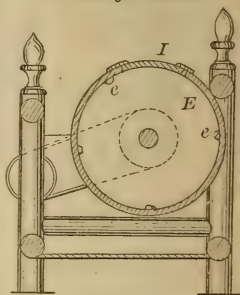
78114—J. Milholland—Horse Hay Fork.



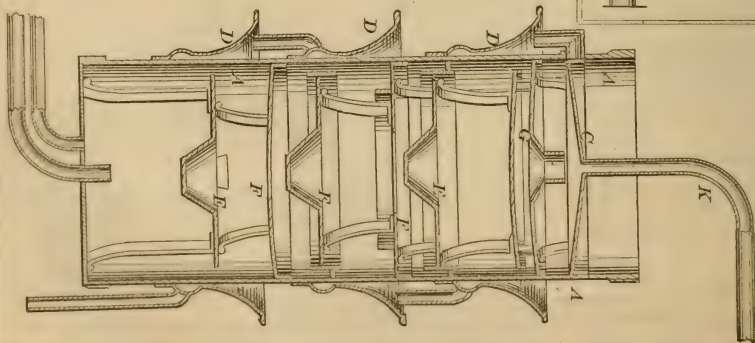
78116—M. D. Moore—
Button.



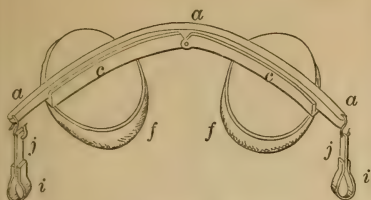
78117—E. R. Morrison—
For Casing Tobacco.



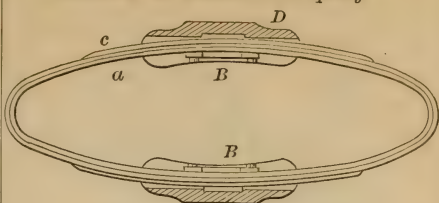
78118—Müller & Stock—Doubler for Stills.



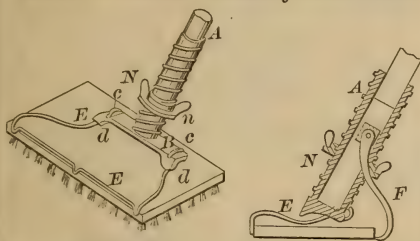
78119—B. T. Nichols—*Cart Saddle.*



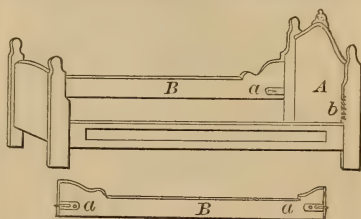
78120—W. R. Nichols—*Car Spring.*



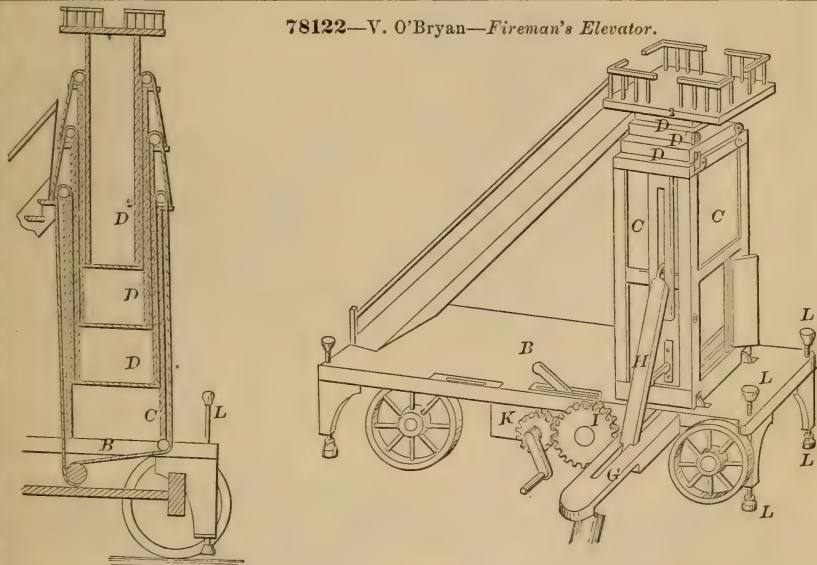
78121—P. O'Brian—*Scrubbing Brush Holder.*



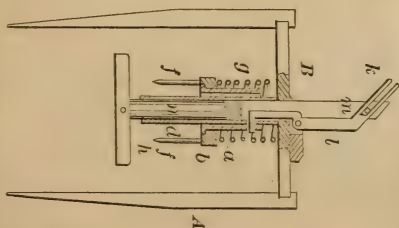
78123—G. T. Palmer—*Crib and Bedstead.*



78122—V. O'Bryan—*Fireman's Elevator.*



78128—C. Polley—*Mole Trap.*



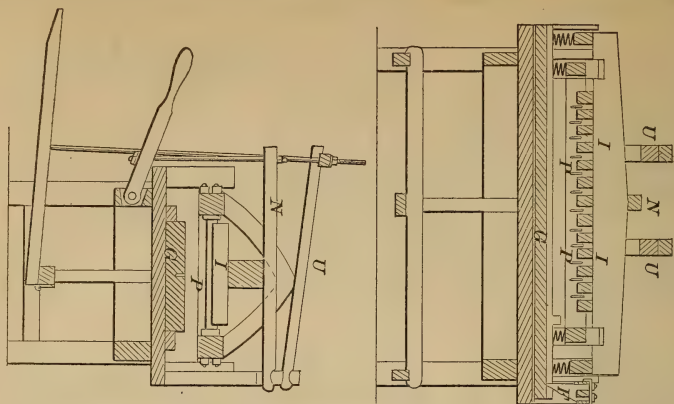
78126—A. Philippi—*Railway Switch Plate.*



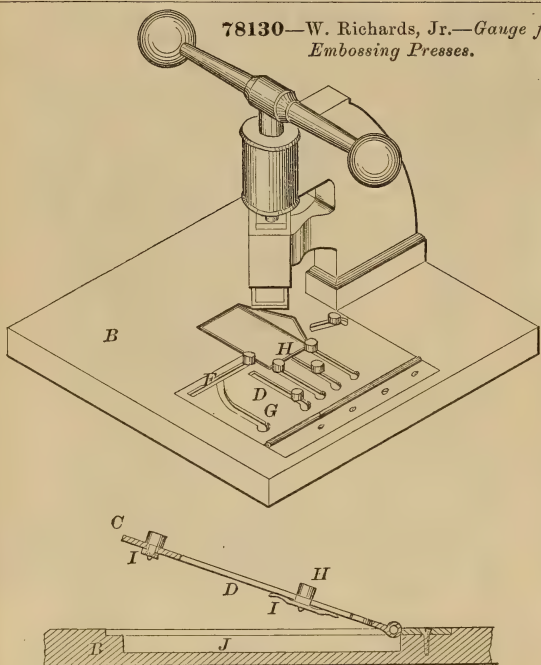
78124—C. B. Payne—*Harness Buckle.*



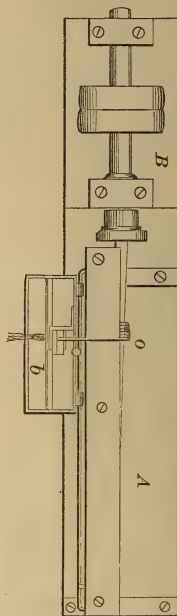
78127—J. S. Pierson—For Cutting and Stamping Soap.



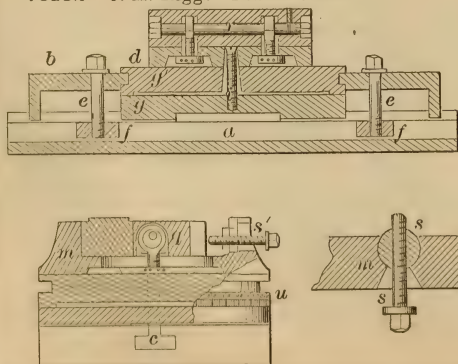
78130—W. Richards, Jr.—Gauge for Embossing Presses.



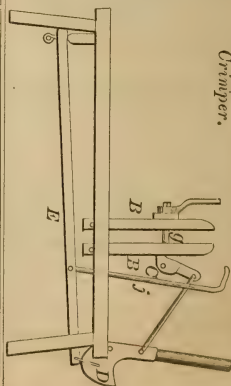
78129—A. C. Rand—Covering Whips.



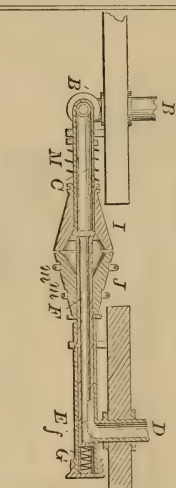
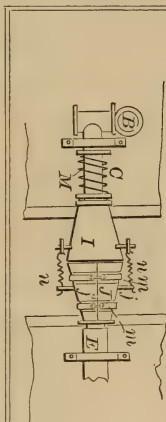
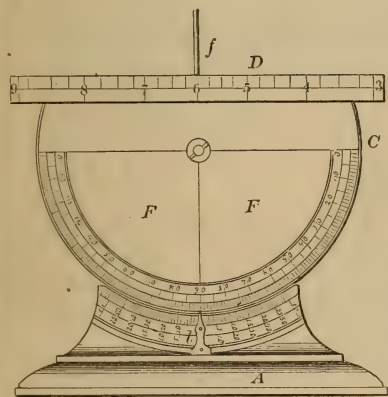
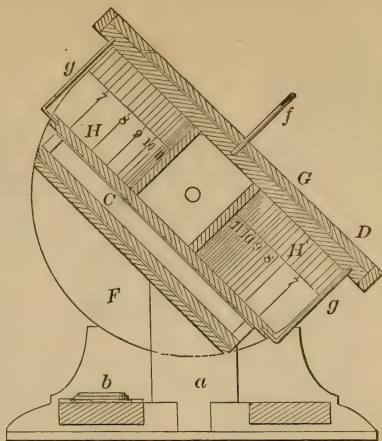
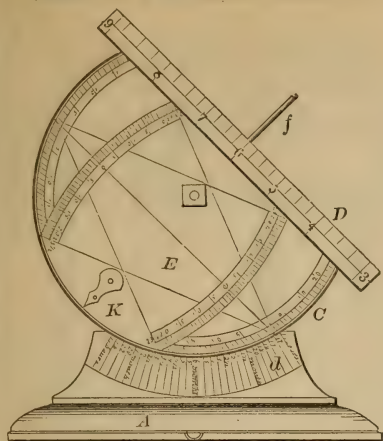
78132—C. H. Riggs—Planer Chuck.



78131—Richmond & McFarland—Boot Crimper.

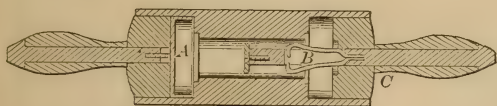


78133—C. F. L. Risch—*Heliometer.*

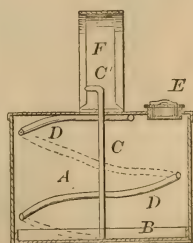


78134—H. R. Robbins—*Steam Pipe Coupling for Railroad Car Heaters.*

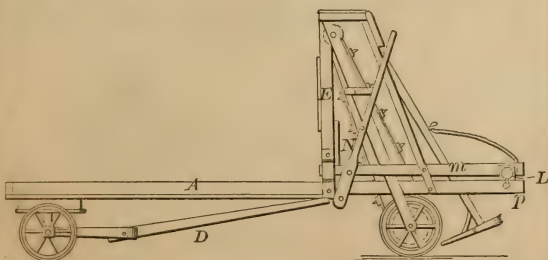
78135—A. J. Roof—*Rolling Pin.*

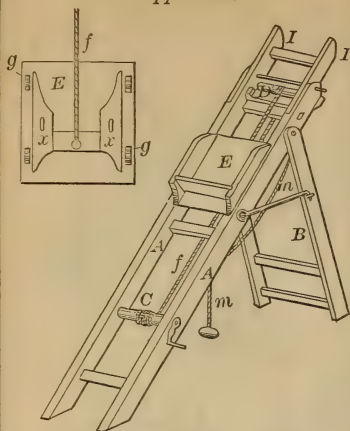
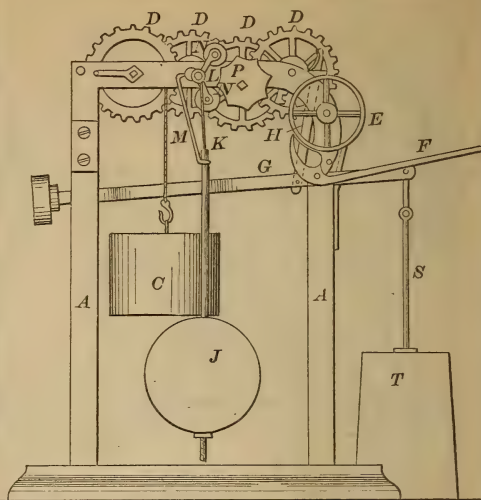
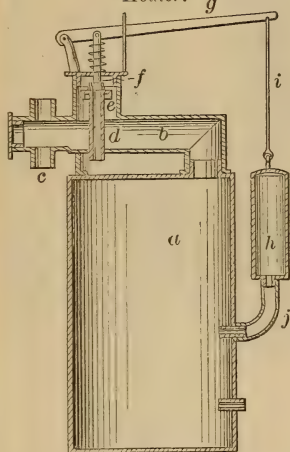
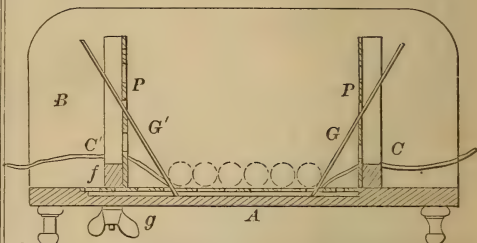
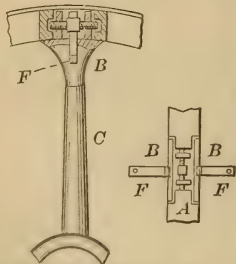
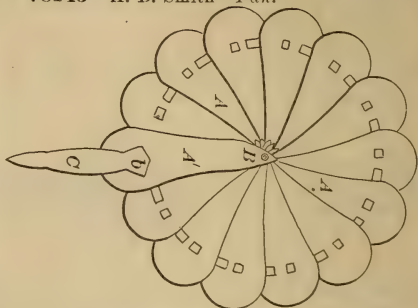
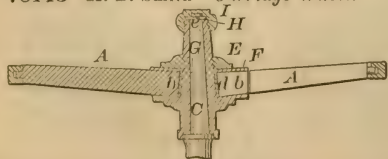
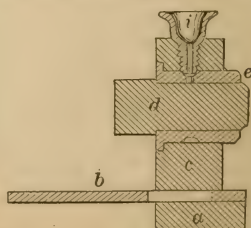


78137—G. O. Sanderson—*Cake Cutter.*

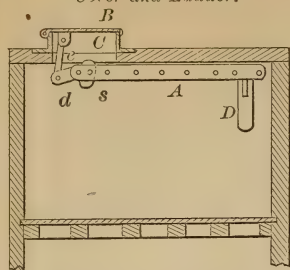


78136—Ruhl & Herrington—*Hay Raker and Loader.*

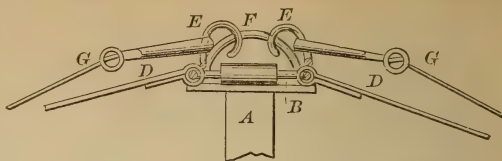


78138—J. Sanderson—*Hoisting Apparatus.*78139—L. Scott—*Churn.*78140—T. Shipton—*Feed Water Heater.* g78142—C. A. Siecke—*For Bundling Cigars.*78141—S. Shirley—*Tire Tightener.*78145—H. B. Smith—*Fan.*78145—H. B. Smith—*Fan.*78143—A. B. Smith—*Carriage Wheel.*78144—E. H. & H. G. Smith—*Harvester.*

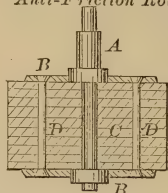
78152—J. Steger—*Scuttle Cover and Ladder.*



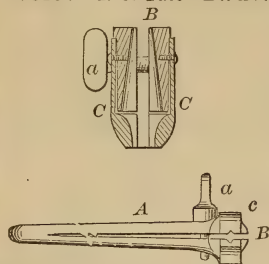
78154—S. Stout—*Trace Holder.*



78153—F. A. Sterry—*Anti-Friction Roll.*



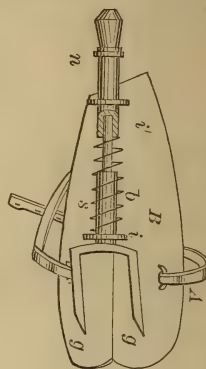
78157—I. C. Tate—*Bit Brace.*



78156—W. Swan—*Ornamenting Fabrics.*



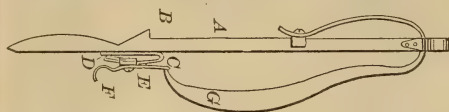
78155—M. H. Sullivan—*Cribbing Preventer.*



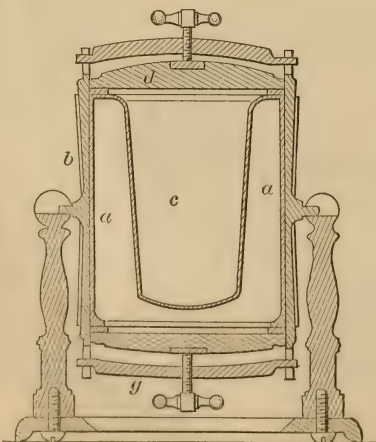
78158—E. J. Toof—*Pencil Holder.*



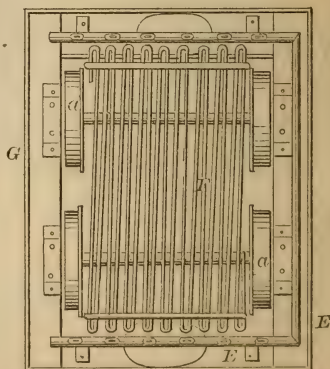
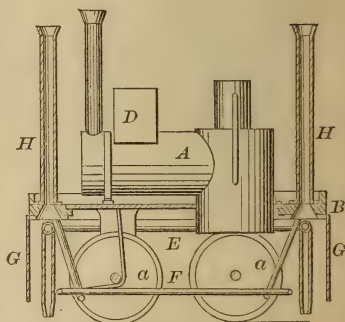
78160—J. J. Wait—*Lamp Chimney Cleaner.*



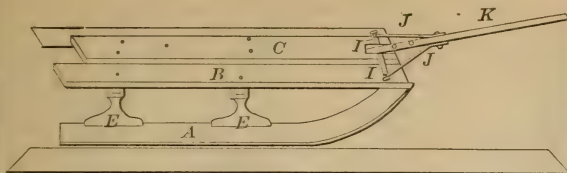
78159—J. Baptiste—*Freezing Apparatus.*



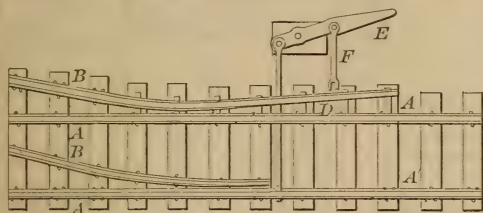
78161—W. Y. Warner—*Snow Plow.*



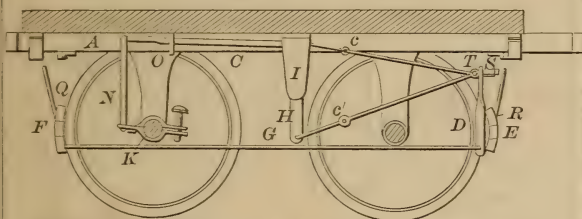
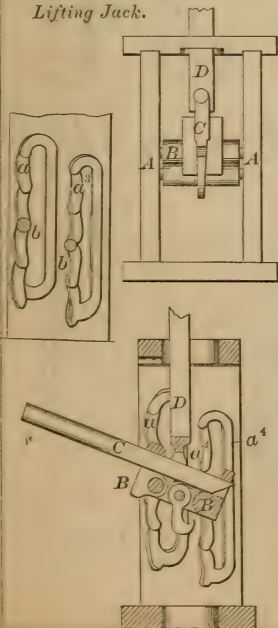
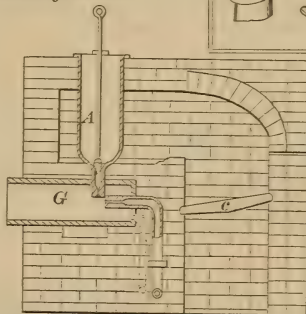
78162—S Way—Sled.



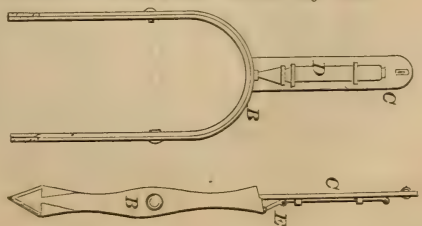
78165—W. Wharton, Jr.—Railroad Switch.



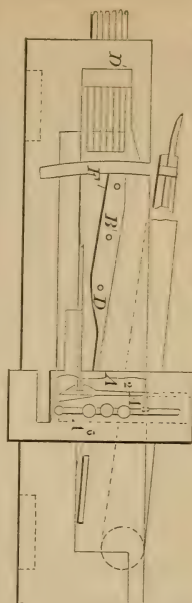
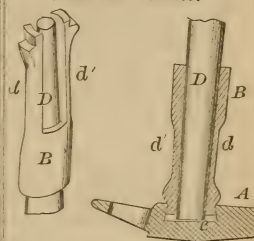
78166—T. J. Whitney—Car Brake.

78167—J Wilkinson—
Lifting Jack.78168—Willard & Adams—
Treating Metals.

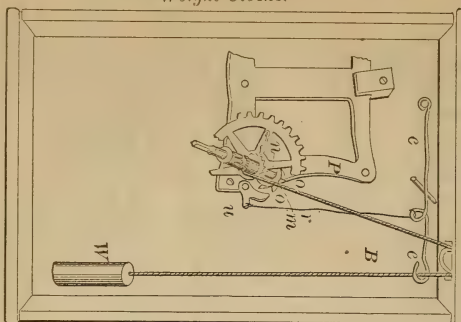
78169—L. Woodworth—Horse Hay Fork.



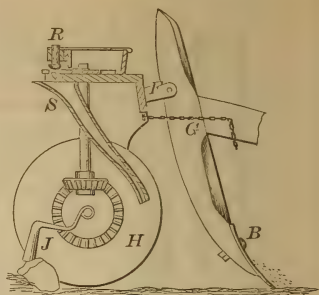
78163—W. Webster—Weaving Pile Fabric.

78164—D. Weiser—
Hammer Handle.

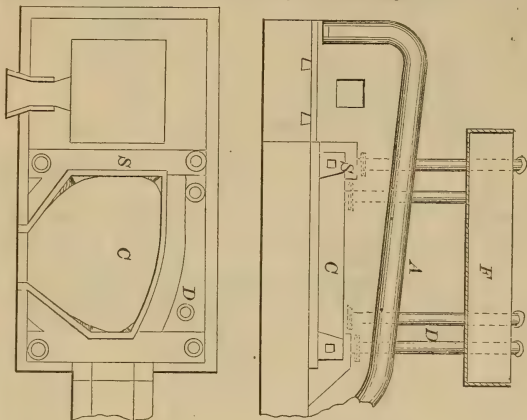
78170—O. H. Woodworth—Winding Stop for Weight Clocks.



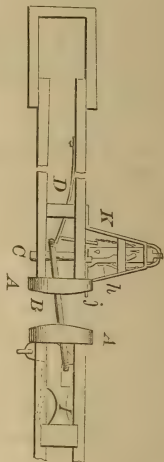
78171—Wright & Penny—Corn Planter.



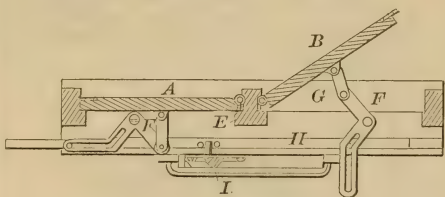
78172—J. Zimmer—Furnace for Puddling Iron.



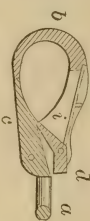
78173—J. W. Adams—Car Coupling.



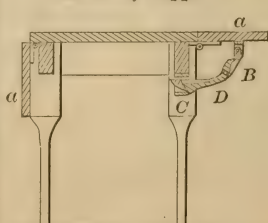
78174—M. C. Andrews—Car Ventilator.



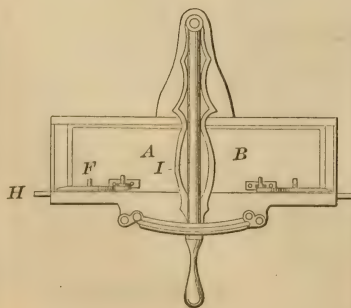
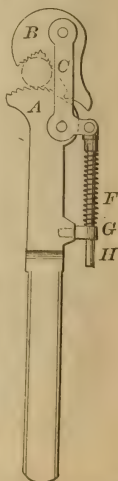
78175—W. F. Arnold—Lock Snap Hook.



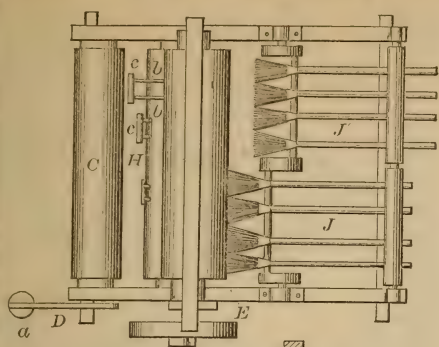
78177—E. E. Berry—Table Leaf Support.



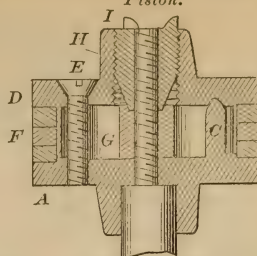
78176—J. B. Barnes—Wrench.



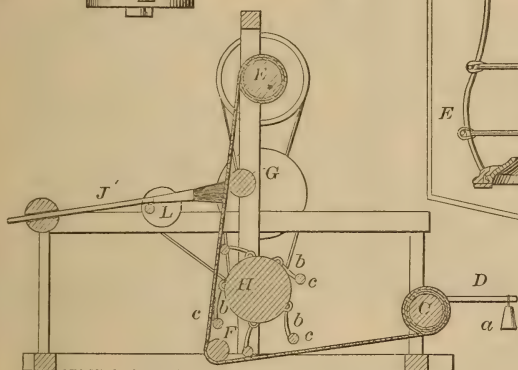
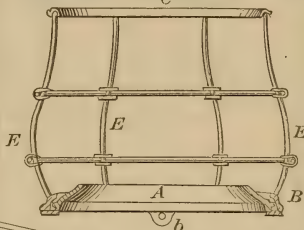
78178—G. W. Bishop—*Carpet Cleaning Machine.*



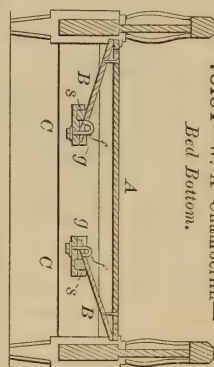
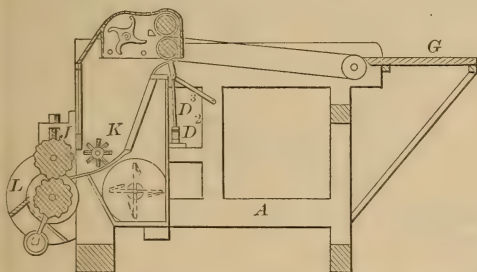
78179—C. Bollinger—*Steam Engine Piston.*



78180—T. H. Brady—*Lantern.*

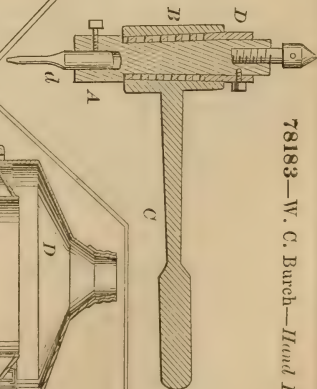
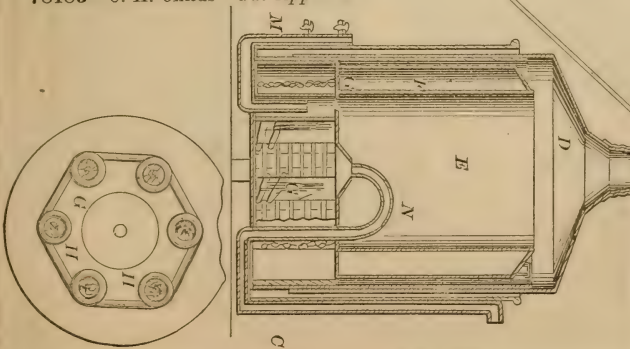


78181—C. Brown—*Straw Cutting Machine.*



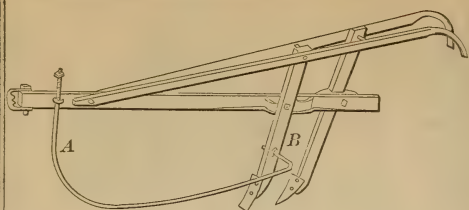
78184—W. A Chamberlain—*Bed Bottom.*

78185—C. H. Childs—*Gas Apparatus.*

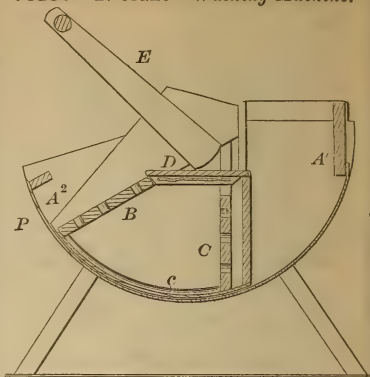


78183—W. C. Burch—*Hand Drill.*

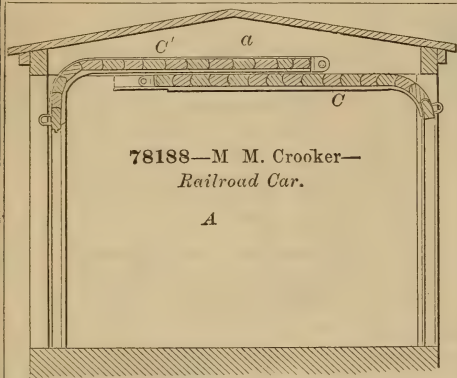
78186—C. A. Cogswell—Cultivator.



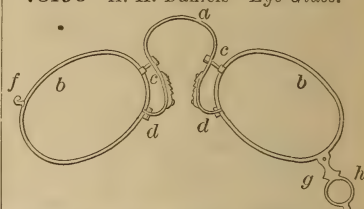
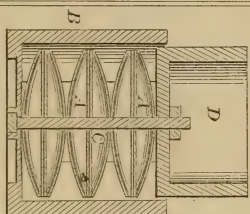
78187—T. Crane—Washing Machine.

78188—M. M. Crooker—
Railroad Car.

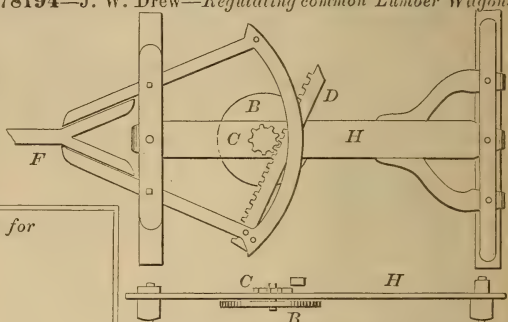
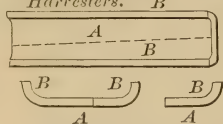
A



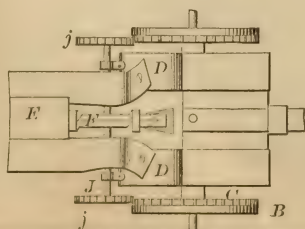
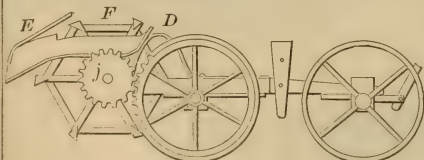
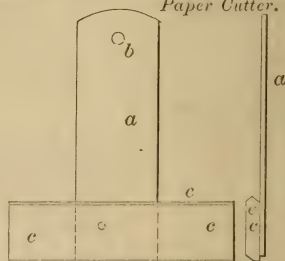
78190—A. H. Daniels—Eye Glass.

78191—D. G. Daniels—
Car Spring.

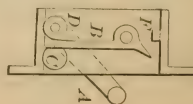
78194—J. W. Drew—Regulating common Lumber Wagons.

78196—R. Dutton—Finger Bars for
Harresters. B

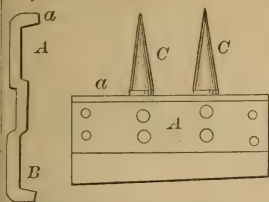
78198—T. B. Fagan—Ditching Machine.

78192—C. B. Dickinson—Arm Rest and
Paper Cutter.

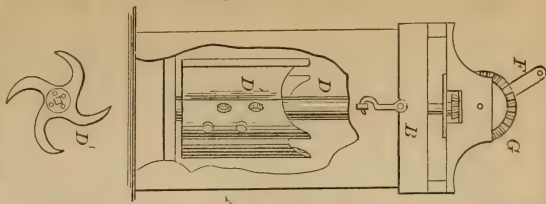
78193—C. F. Dodge—Sash Supporter.



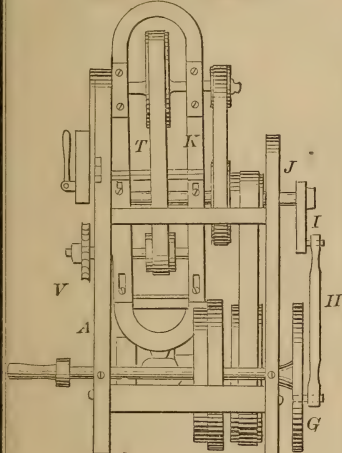
78197—R. Dutton—
*Constructing Finger Bars
for Harvesters.*



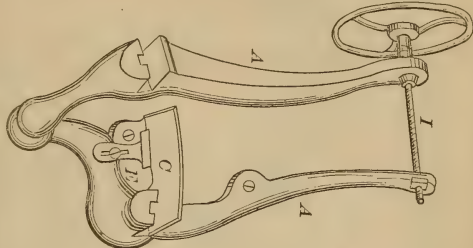
78199—J. H. Fleming—*Churn.*



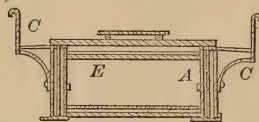
78200—J. Flory—*For Rounding
Slate Frame Corners.*



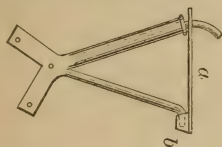
78201—A. H. Ford—*For Upsetting Tires.*



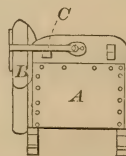
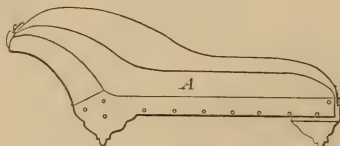
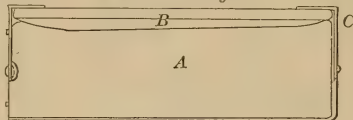
78202—E. Hamilton—*Bridge.*



78203—G. D. Hart—*Cultivator.*



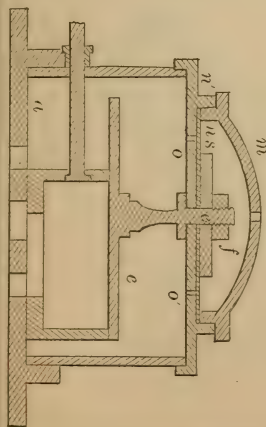
78204—W. C. Hart—*Lounge.*

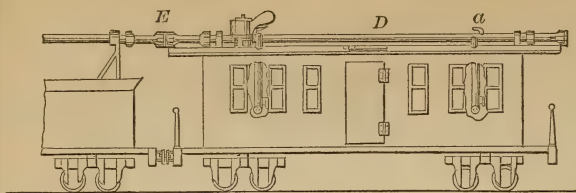
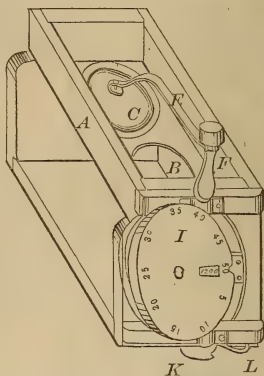
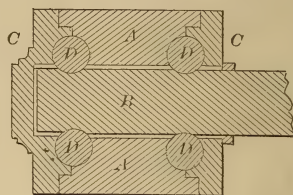
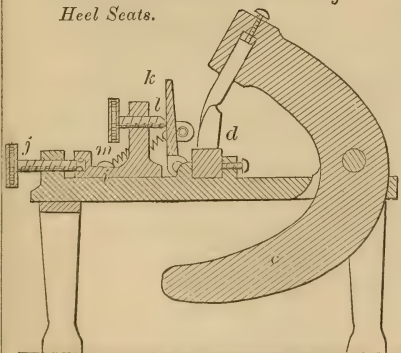
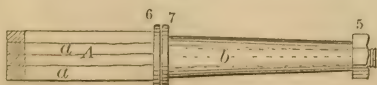
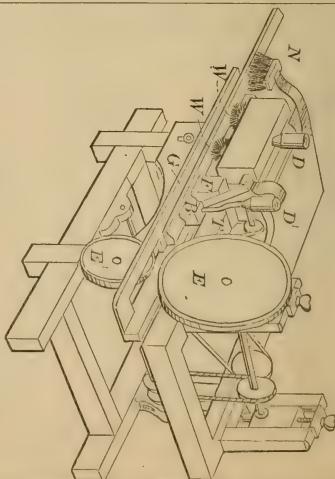


78207—R. Hewson—*Parlor Skate.*

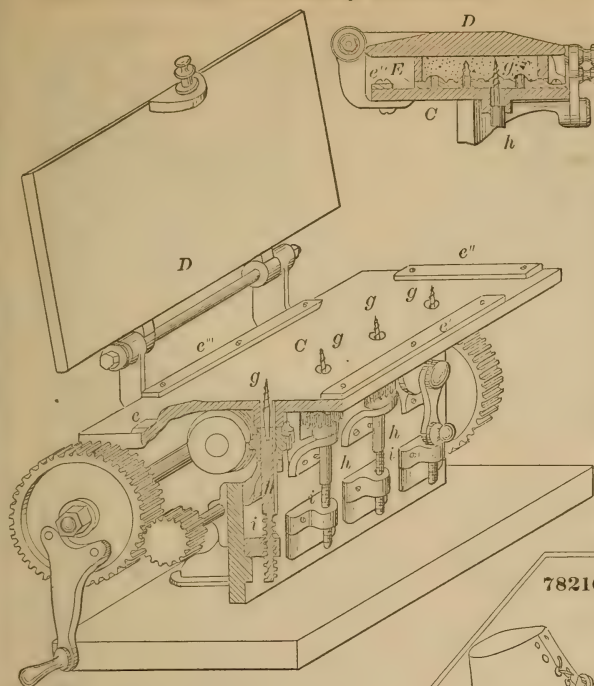


78205—J. Hemphill—*Slide Valve.*

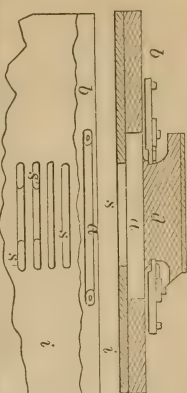


78206—Hencage & Breed—*Railroad Car Ventilator.***78208**—S. Hudson—*Grain Register.***78210**—D. Jewett—*Axle Box for Railroad Cars.***78211**—A. B. Keith—*For Cutting Heel Seats.***78213**—J. Le Ferre—*Forming Carriage Axles.***78215**—J. S. Loomis—*For Polishing Wood.*

78212—E. H. Keith—For Moulding Wood Screws.



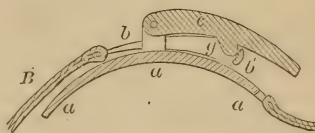
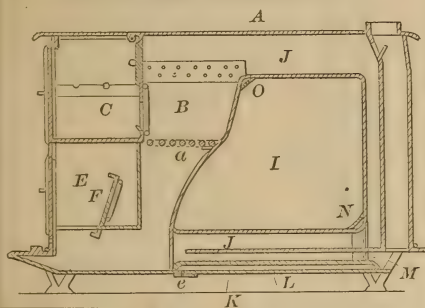
78219—D. Marshall—Socket Board for Reed Instruments.



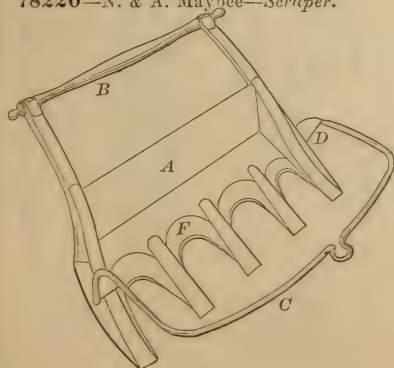
78216—H. B. Lucas—Skate Fastening.



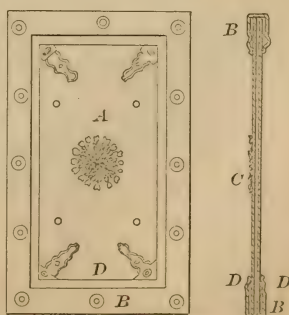
78217—J. Magee—Cooking Stove.



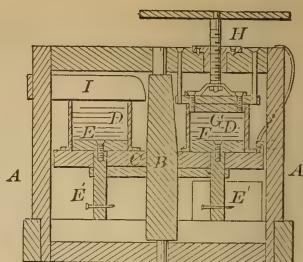
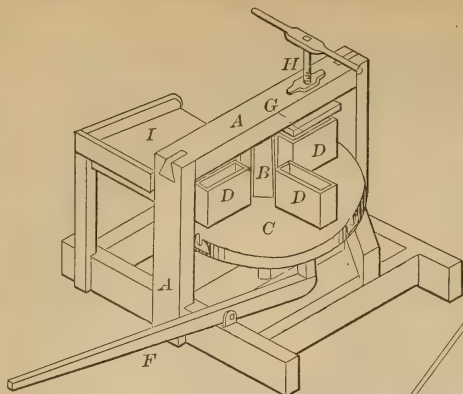
78220—N. & A. Maybee—Scraper.



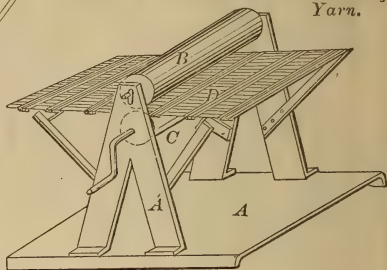
78218—C. K. Marshall—Metallic Door.



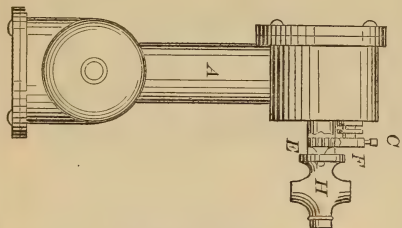
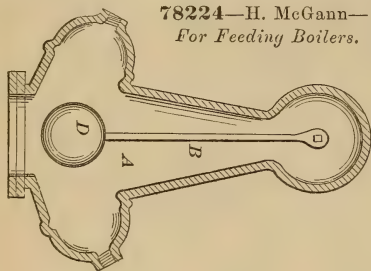
78221—B. J. McAfee—Brick Machine.



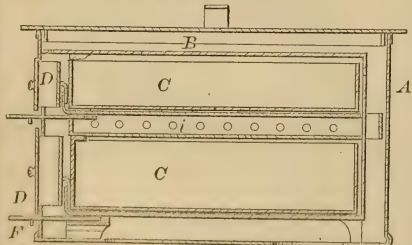
78222—W. McAllister—For Printing Yarn.



78224—H. McGann—For Feeding Boilers.



78226—F. C. Miller—Portable Oven.



78223—S. B. McCracken—Spring Bed Bottom.

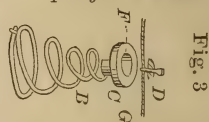
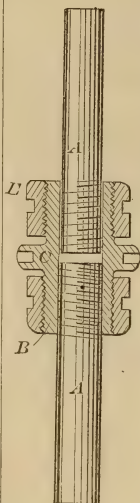
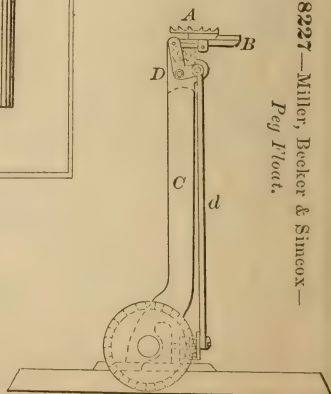


Fig. 3

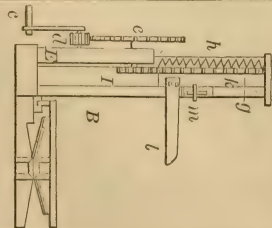
78225—A. H. Merriman—Press Spindle Adjustment.



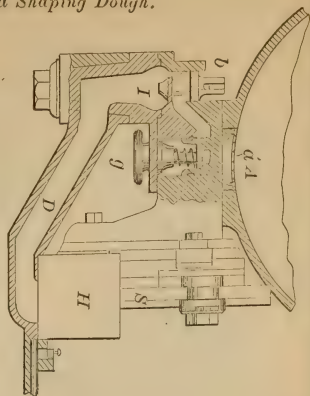
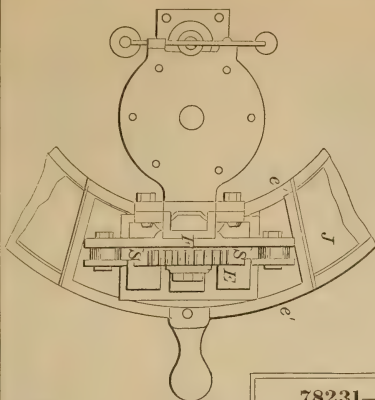
78227—Miller, Beecker & Simeon—Peg Float.



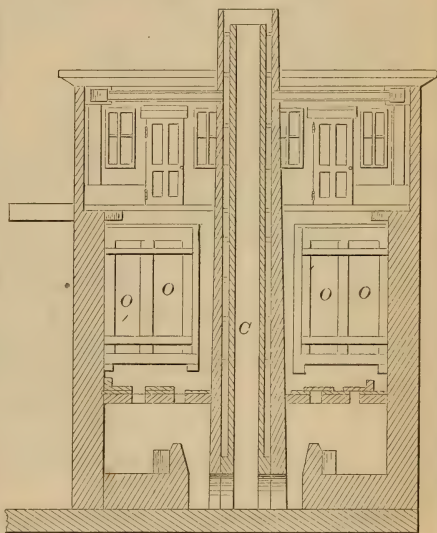
78228—Morse & Sawyer—Cheese Cutter.



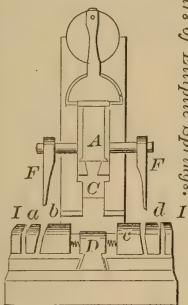
78232—J. Perry—*For Expanding and Shaping Dough.*



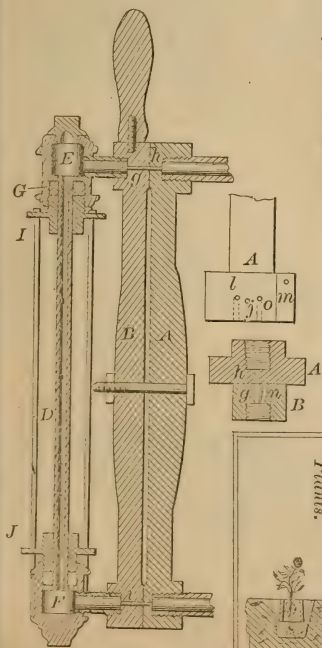
78231—J. Perry—*Oven and Bath.*



78230—J. Palmer—Welding the Ears of Elliptic Springs. 1



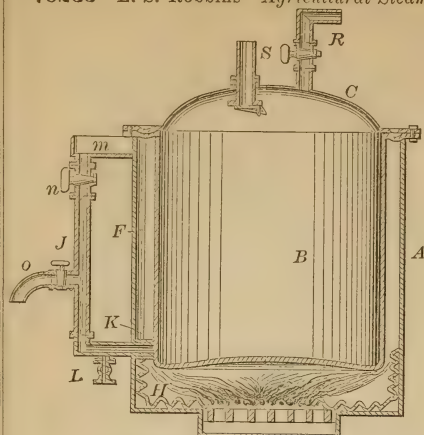
78234—C. L. Ridgway—Water Gauge
for Steam Boilers.



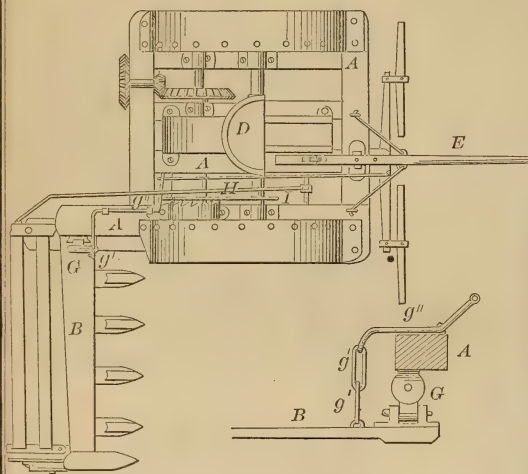
78233—P. Poullain—
*Cultivation of
Plants.*



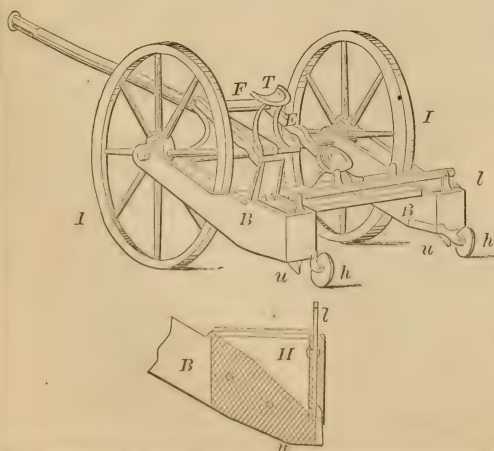
78235—L. S. Robbins—Agricultural Steam Boiler.



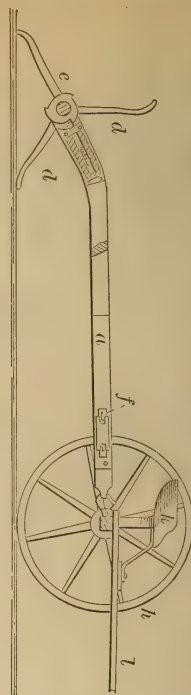
78236—S. Rockafellow—Harvester.



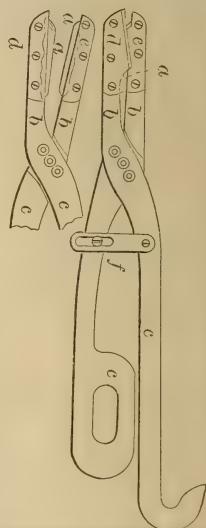
78237—O. Sampson—Corn Planter.



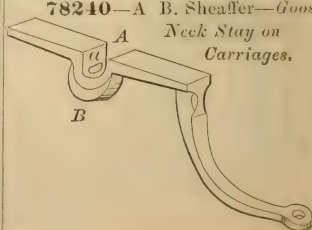
78239—J. Seely—Horse Rake.

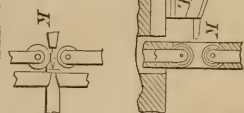
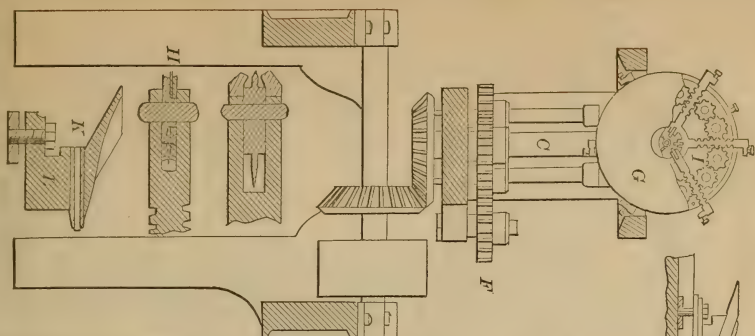


78241—J. F. Single—For Harvesting Grapes.

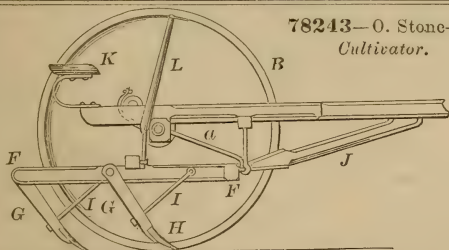


78240—A. B. Sheaffer—Goose Neck Stay on Carriages.

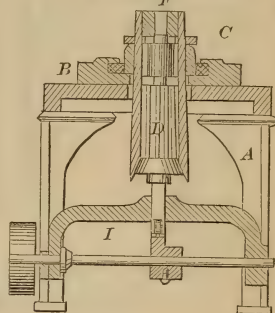




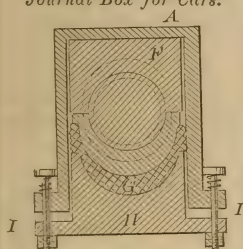
782413—O. Stone—Cultivator.



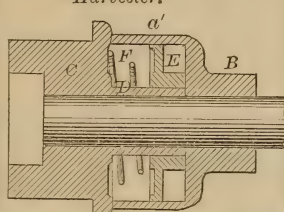
782442—G. H. Spaulding—For Moulding Collars.



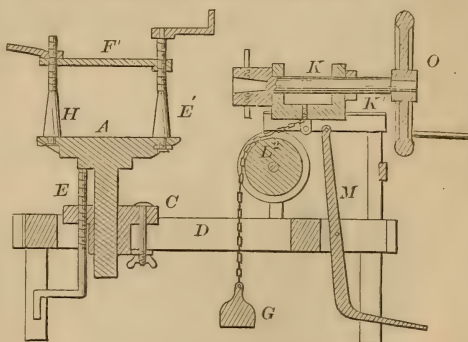
782444—M. Thornton—Journal Box for Cars.



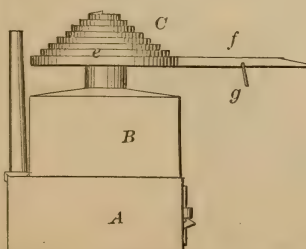
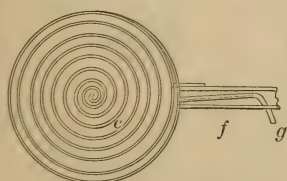
782445—G. Weiland—Harvester.



782446—J. Wharff—For Boring Hubs.



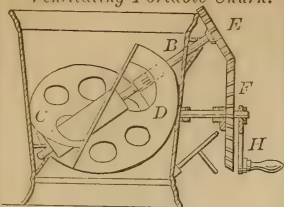
782447—Whisler & Berry—Still.



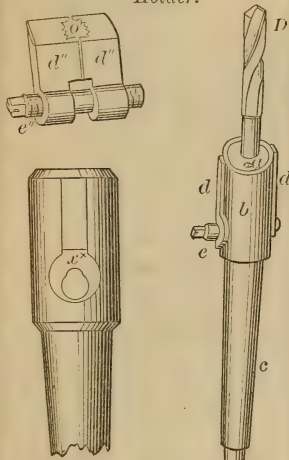
782448—E. F. Wilder—Implement.



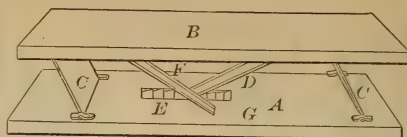
78249—E. P. Williams—*Ventilating Portable Churn.*



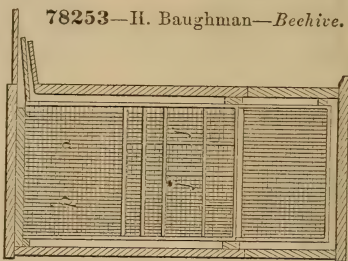
78251—T. K. Bacon—*Drill Holder.*



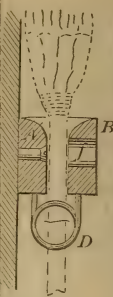
78250—J. B. Withcy—*Penman's Arm Rest.*



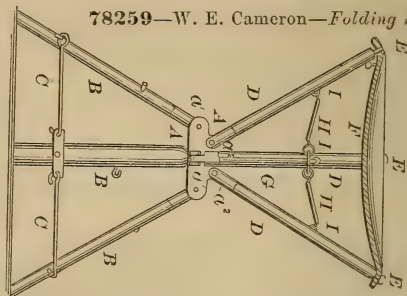
78253—H. Baughman—*Beehive.*



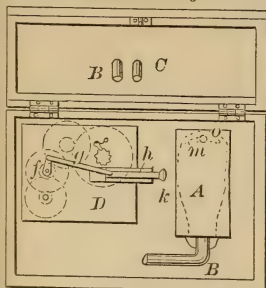
78252—F. B. Batchelder—*Broom Holder.*



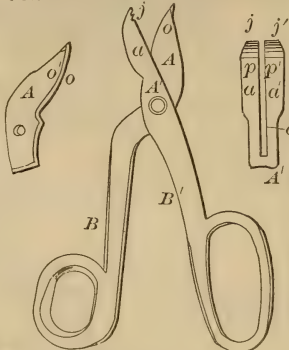
78259—W. E. Cameron—*Folding Stool.*



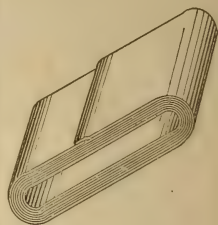
78254—J. W. Boughton—*Tobacconist's Sign.*



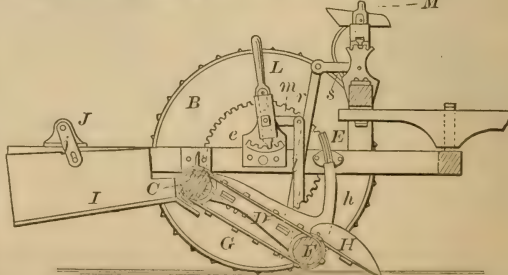
78255—Buell & Root—*Shears.*



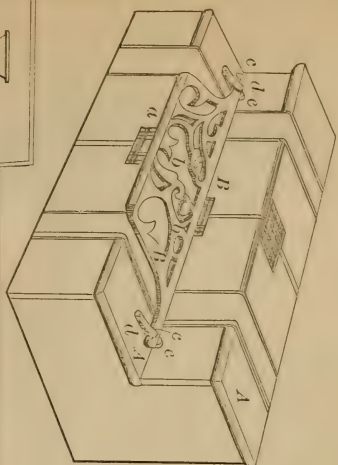
78260—E. M. Chaffee—*Gutta Percha Hose.*



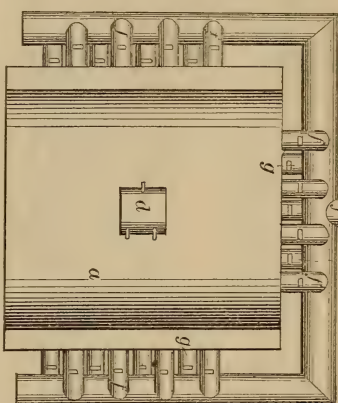
78257—Burnham & Conlon—*Potato Digger.*



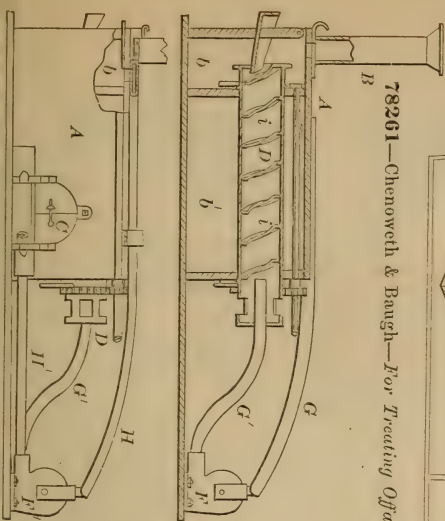
78263—J. Conner, Jr.—*Strip Carpet Fastener and Protector.*



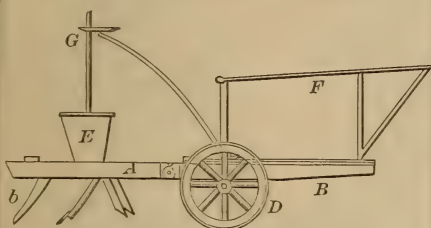
78264—Converse & Atherton—*Manufacture of Pyridineous Acid.*



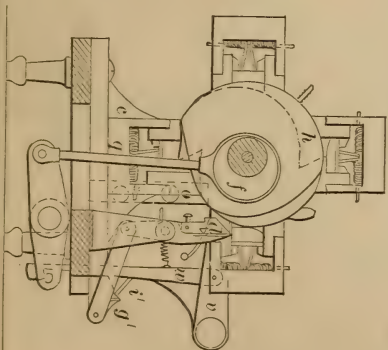
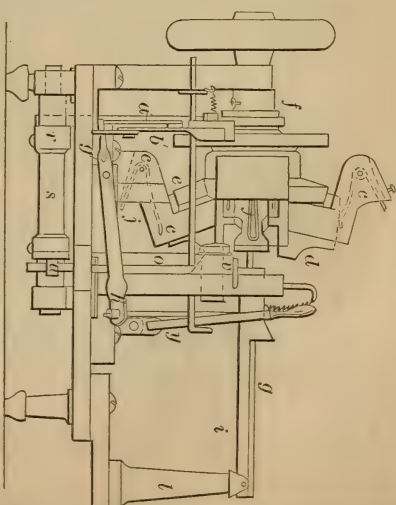
78261—Chenoweth & Baugh—*For Treating Oil.*

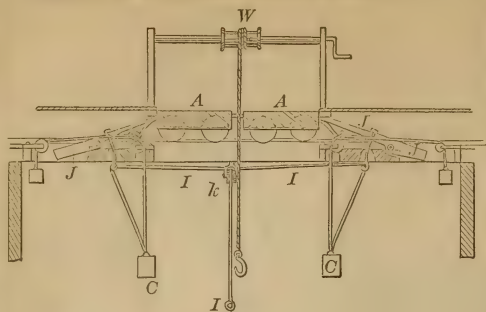
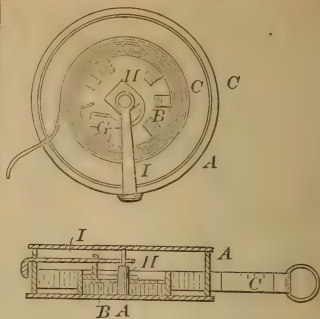
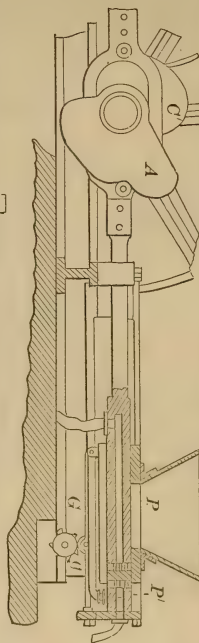
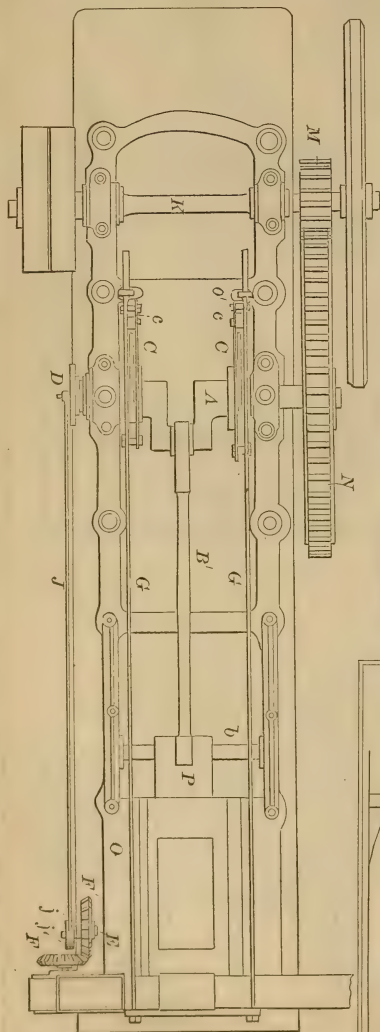
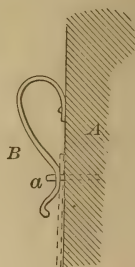
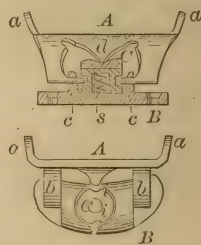
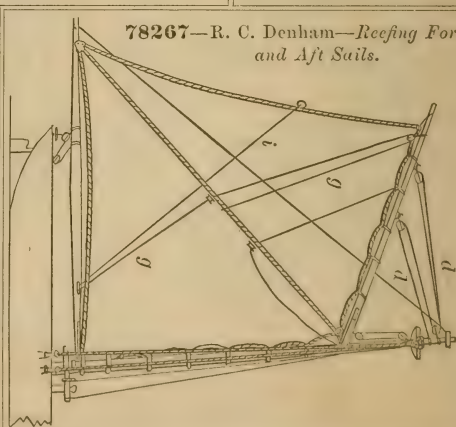


78262—W. R. Clark—*Corn Planter.*

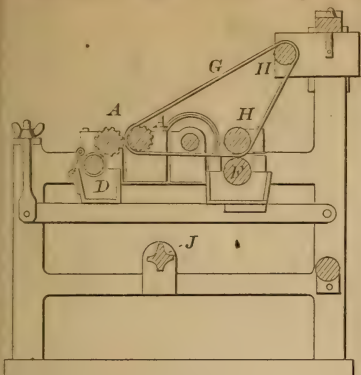


78266—W. H. Defrees—*Forging Machine.*

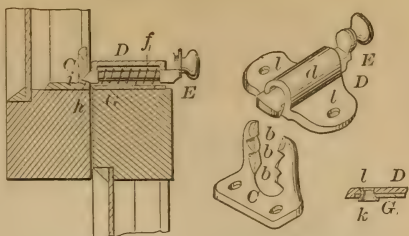


78265—G. N. Creamer—*Safety Hatch.*78272—A. J. Fellows—*Tape Box.*78268—F. Durand—*Brick Machine.*78271—A. H. Fatzinger—*Paper Clip.*78270—G. W. Farley—*Ice Calk.*78267—R. C. Denham—*Reefing Fore and Aft Sails.*

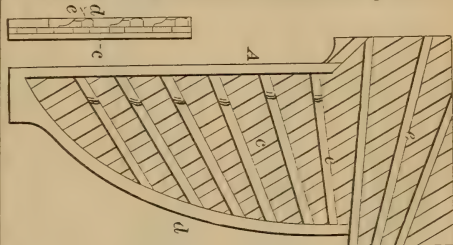
78273—J. Foster—*For Printing Yarn.*



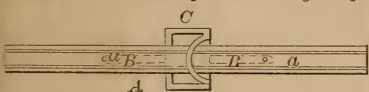
78274—O. S. Garretson—*Sash Fastening*.



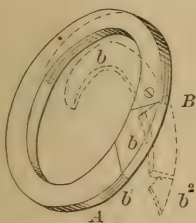
78276—G. M. Guild—*Piano Sounding Board.*



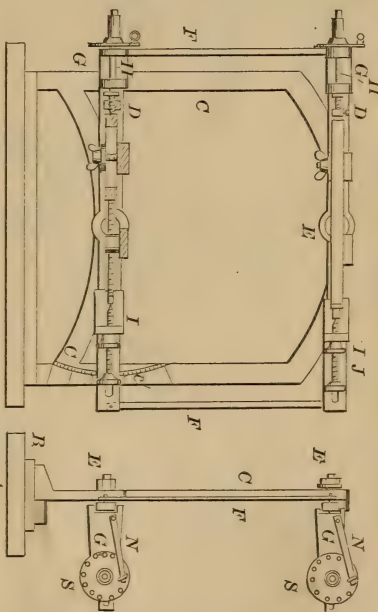
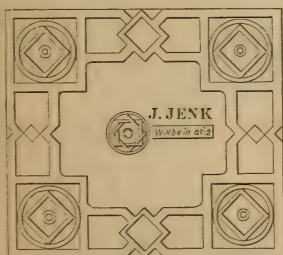
78277—M. Gumfory—*Trace Tug Loop.*



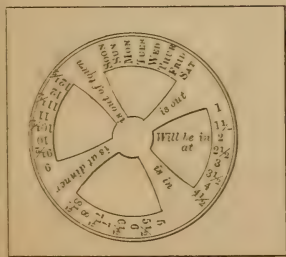
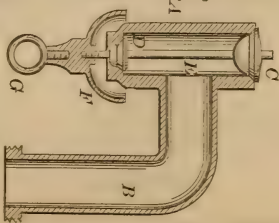
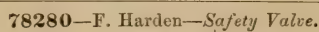
78275—A. Goodhart—*Link.*



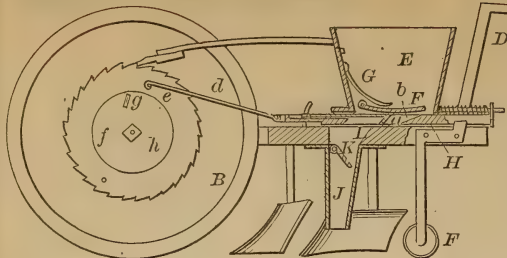
78278—A. Hadley—*Door Indicator.*



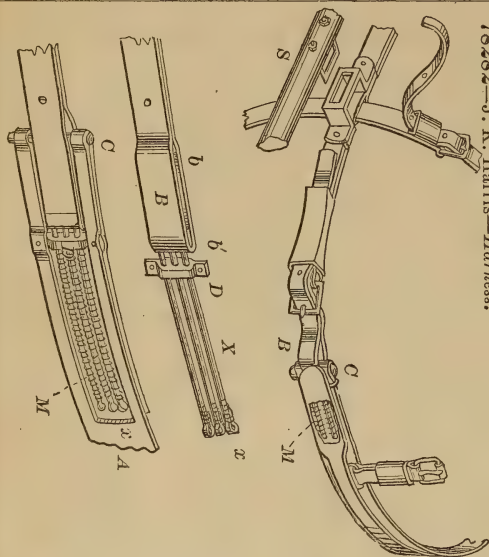
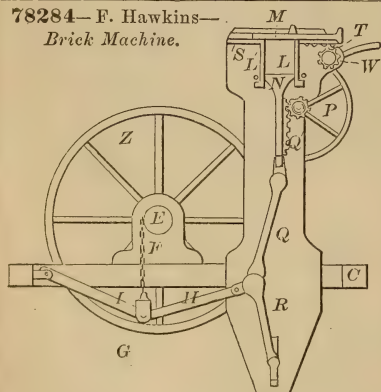
78279—I. Hall—Wood Carving Machine.



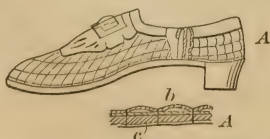
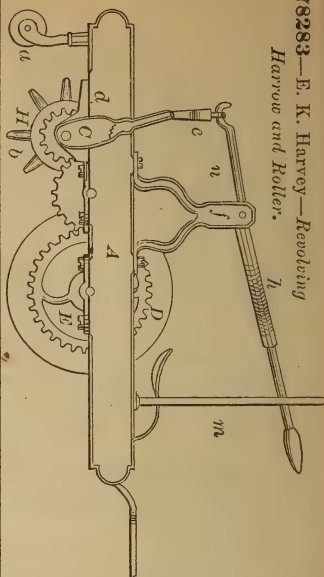
78281—E. P. Harris—Seed Planter.



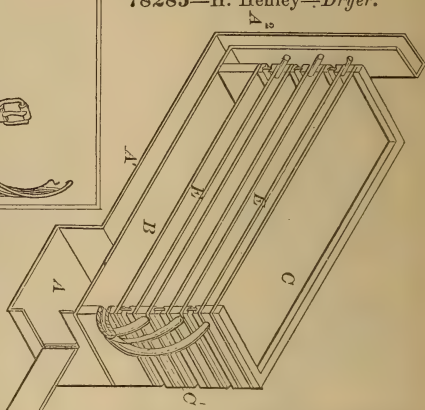
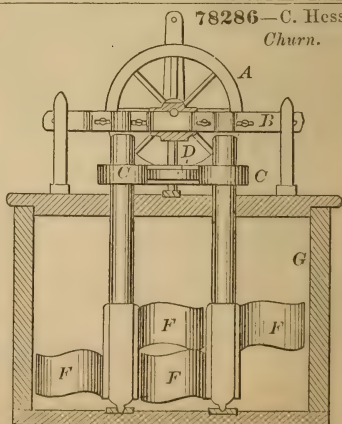
78282—J. K. Harris—Harness.

78284—F. Hawkins—
Brick Machine.

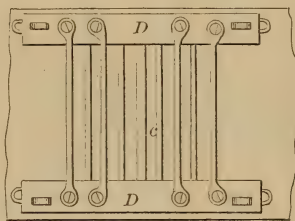
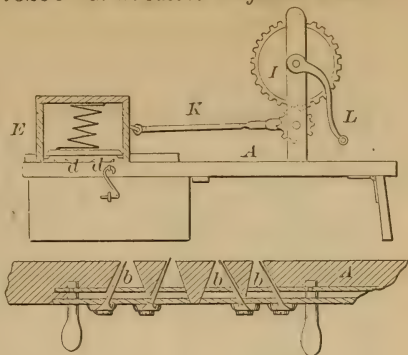
78287—M. L. Hill—Shoe.

78283—E. K. Harvey—Revolving
Harrow and Roller.

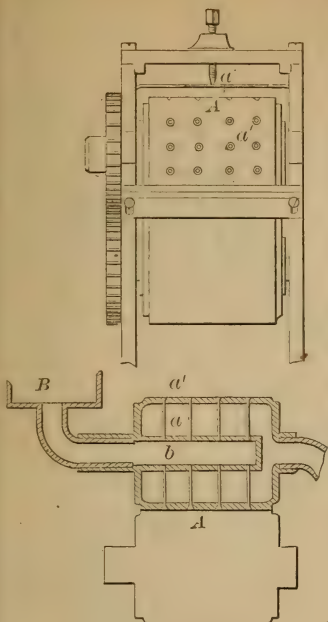
78285—H. Henley—Dryer.

78286—C. Hess—
Churn.

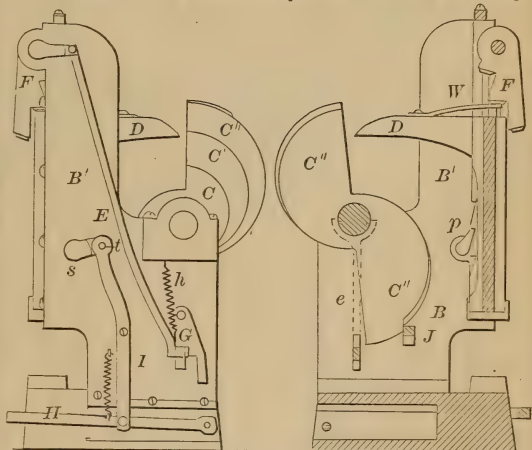
78290—G. W. Jacobs—Vegetable Slicer.



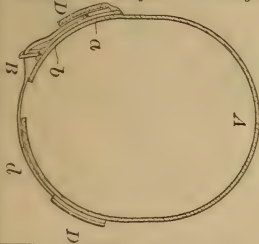
78288—C. Holliday—For Printing on Fabrics.



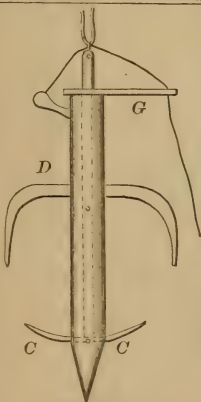
78291—T. P. Keeler—Adjustable Hammer and Drop.



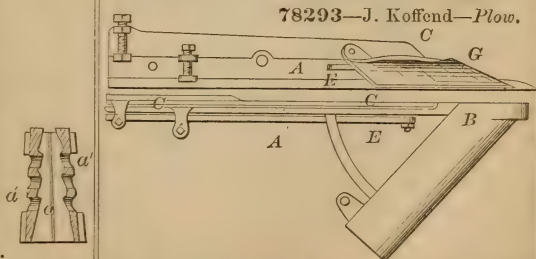
78289—S. Hyde—Surcingle.



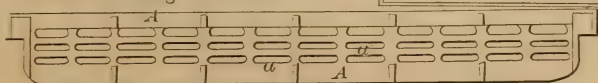
78294—H. Laird—Horse Hay Fork.



78293—J. Koffend—Plow.



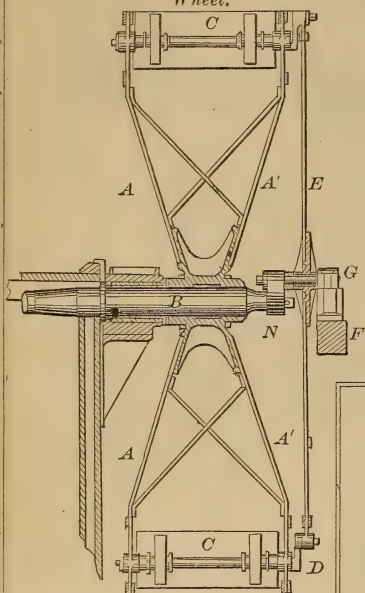
78292—H. King—Grate Bar.



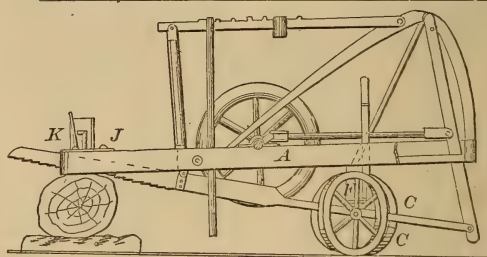
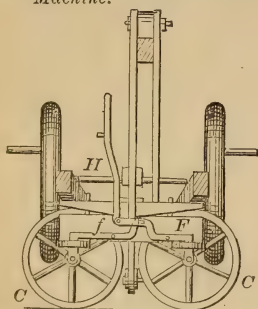
78296—E. Leigh—*Pronouncing Orthography.*

rye head

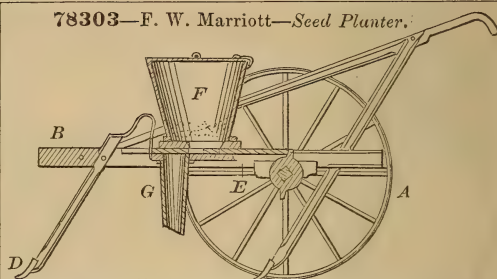
78301—W. R. Manley—*Paddle Wheel.*



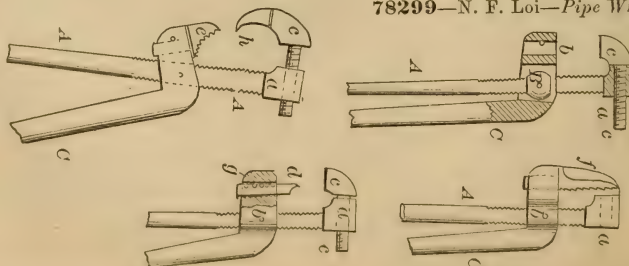
78298—J. R. Logan—*Sawing Machine.*



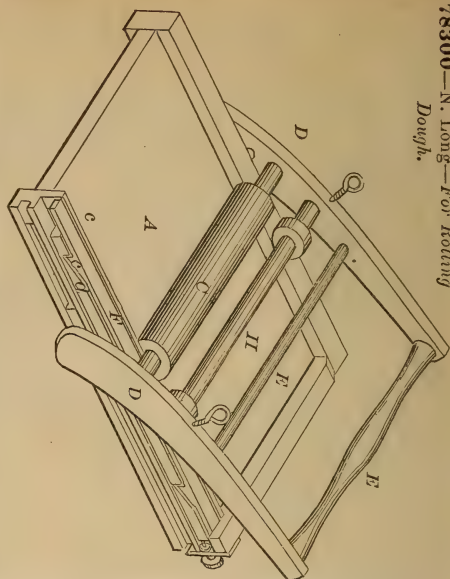
78303—F. W. Marriott—*Seed Planter.*



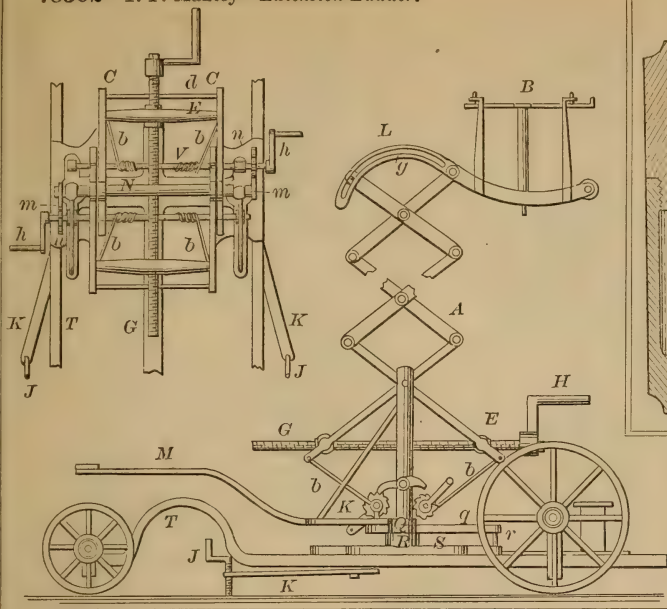
78299—N. F. Loi—*Pipe Wrench.*



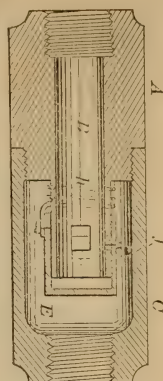
78300—N. Long—*For Rolling Dough.*



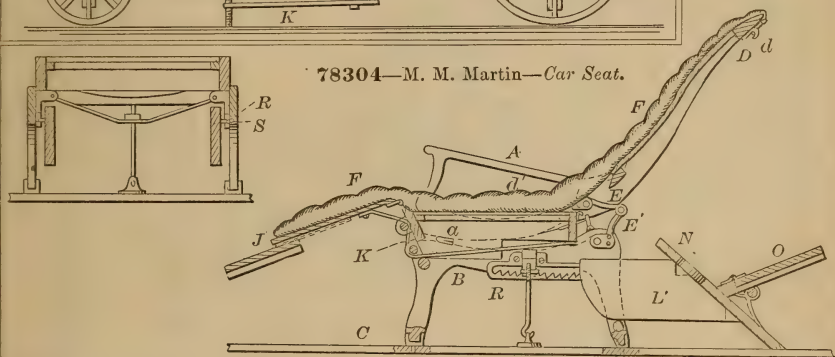
78302—T. F. Mantey—Extension Ladder.



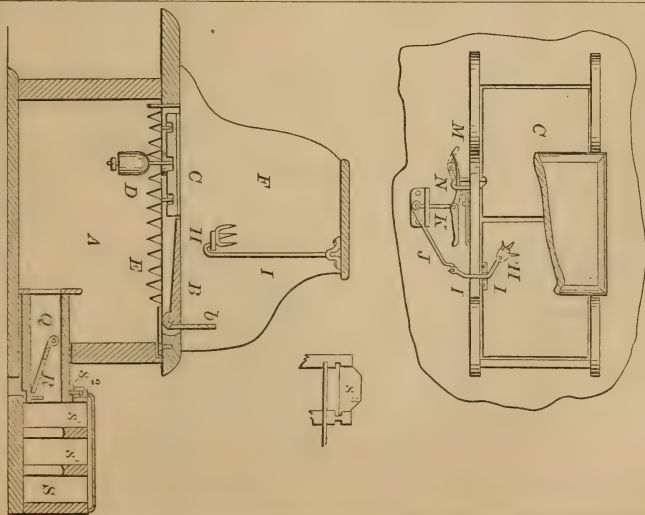
78305—S. F. Mathews—Gas Regulator.



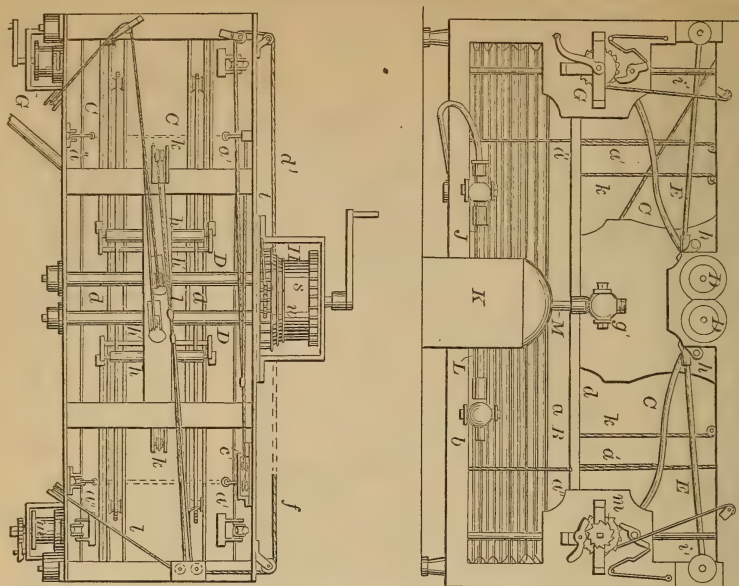
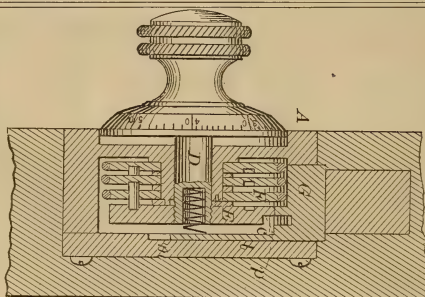
78304—M. M. Martin—Car Seat.



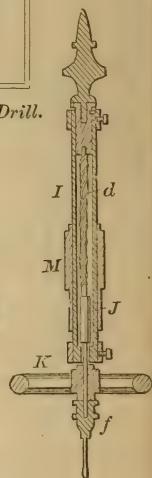
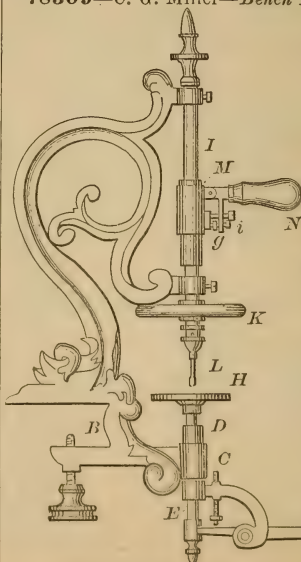
78306—J. C. McClamroch—Animal Trap.



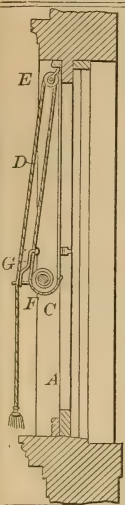
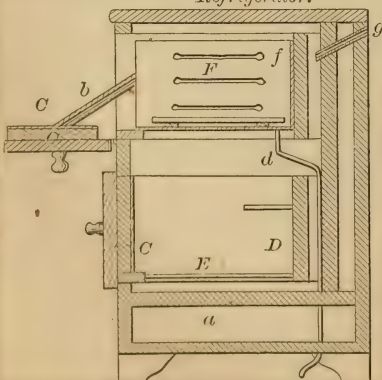
78307—J. McCleish—Gas Apparatus.

78310—D. K. Miller—
Permutation Lock.

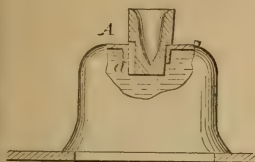
78309—C. G. Miller—Bench Drill.



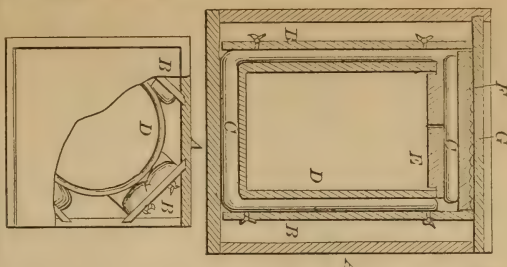
78311—J. P. Miller—Garage Fixture.

78308—M. Meyers, Jr.—
Refrigerator.

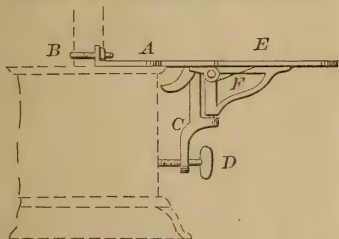
78312—G. Moebis—*Cigar Header.*



78316—M. H. Nichols—*Shipping Case.*



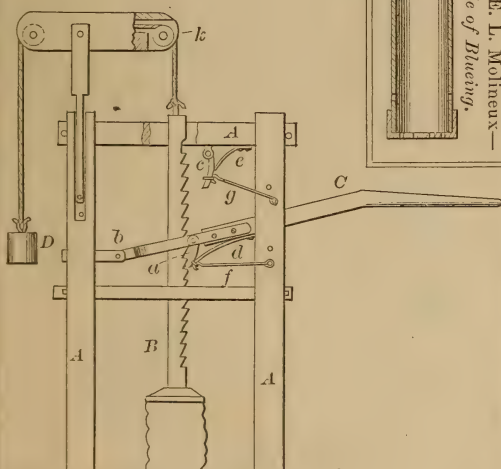
78315—B. Newbury—*Cooking Stove.*



78314--M. E. Mott--*Corpse Preserver.*



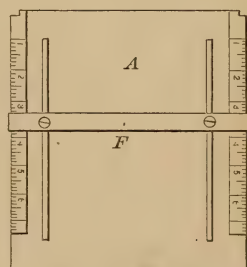
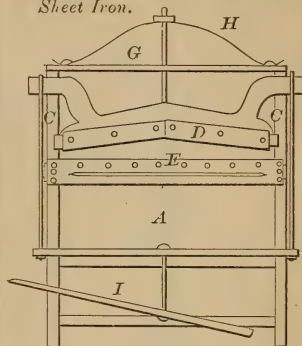
78318—B. S. Norris—*Press.*



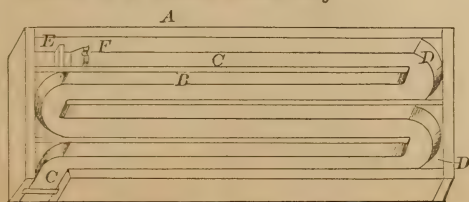
78313—E. L. Molineux—
Article of Bluing.



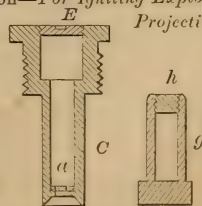
78319—J. B. Osier—*For Cutting Sheet Iron.* 9



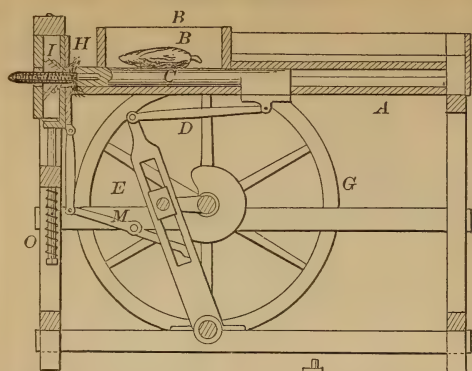
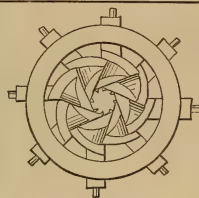
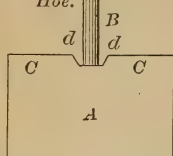
78320—J. A. Owens—*Starch Tray.*



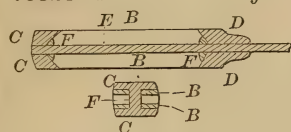
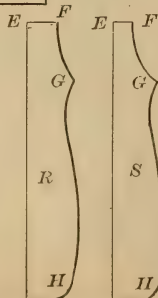
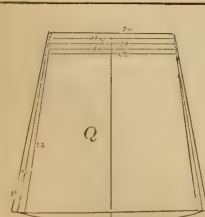
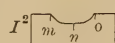
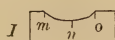
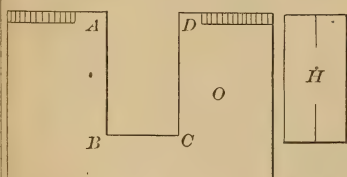
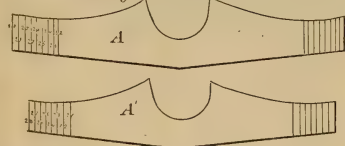
78322—Pertiusset, Mundel & de
Fleron—*For Igniting Explosive*
E *Projectiles.*



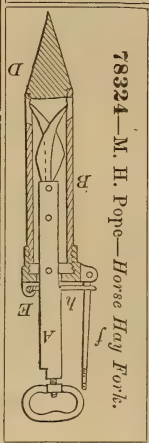
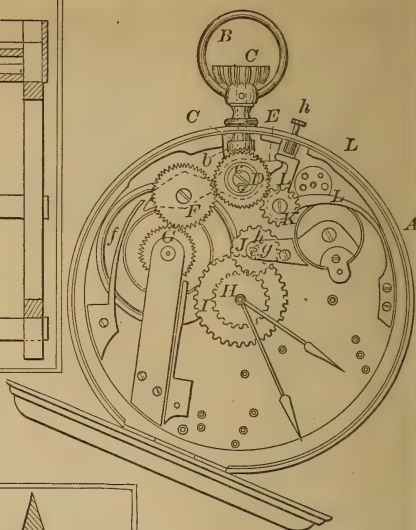
78321—T. Percival—Corn Husker.

78326—
L. T. Richardson—
Hoe.

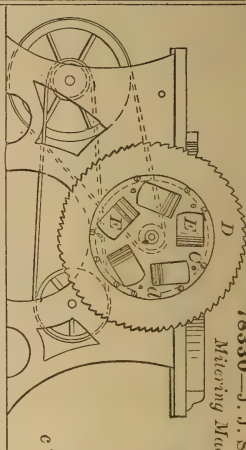
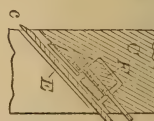
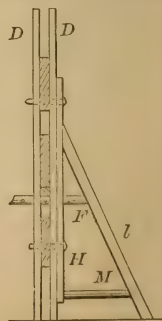
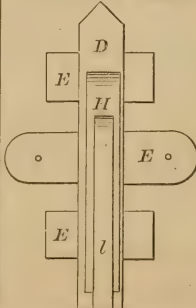
78328—M. Rubel—Cutlery.

78325—J. W. Rand—Pattern for
Cutting out Shirts.

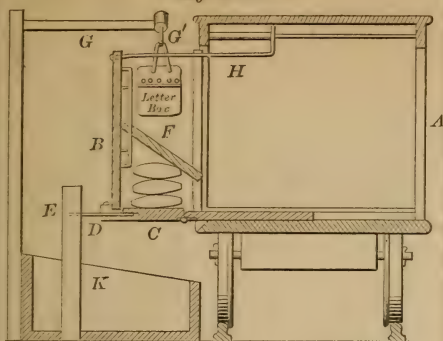
78323—L. V. Piquet—Watch.



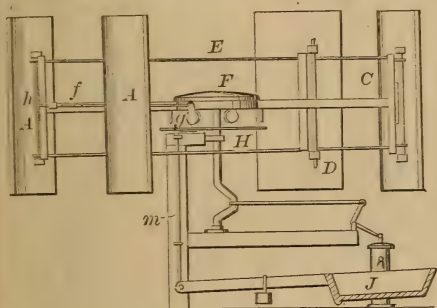
78324—M. H. Pope—Horse Hay Fork.

78330—J. J. Sanders—
Mowing Machine.78329—R. Samuel—
Portable Fence.

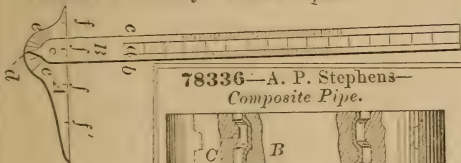
78331—W. G. Sanford—*Mail Car and Mail Bag Receiver.*



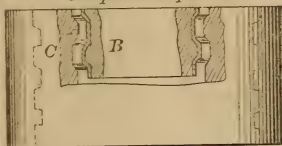
78333—Shaw & Tindall—*Wind Mill.*



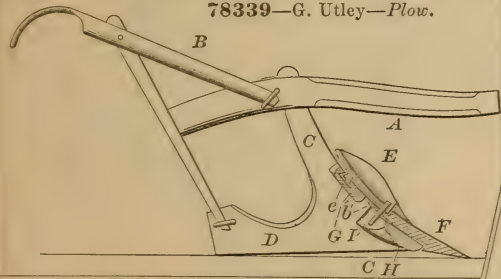
78338—D. Tierney—*Tailors' Square.*



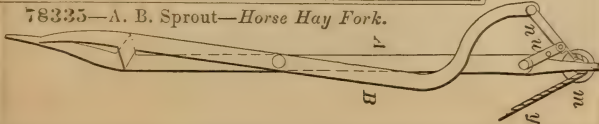
78336—A. P. Stephens—*Composite Pipe.*



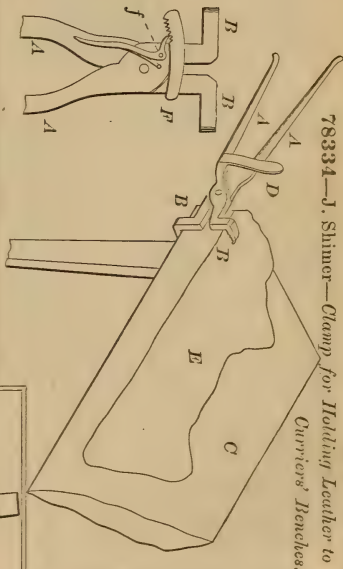
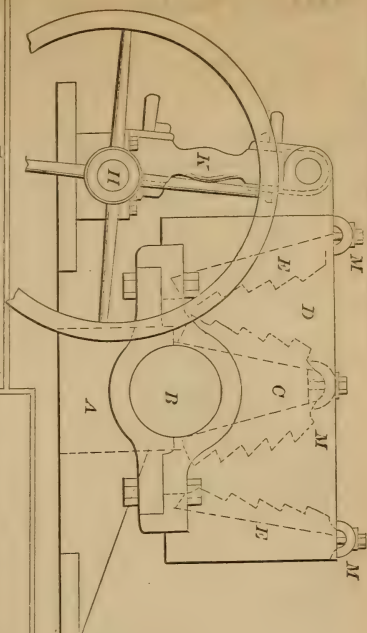
78339—G. Utley—*Plow.*



78335—A. B. Sprout—*Horse Hay Fork.*

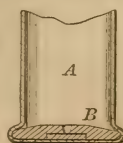


78332—H. H. Seaville—*Stone Breaker.*

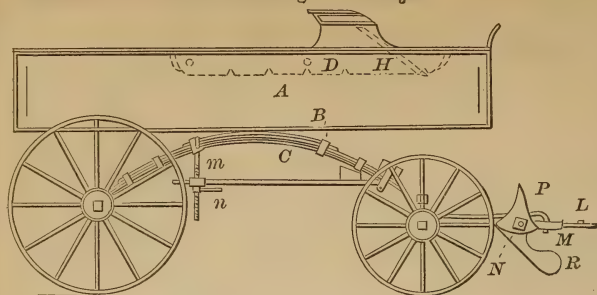
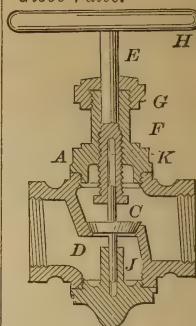


78334—J. Shimer—*Clamp for Holding Leather to Curriers' Benches.*

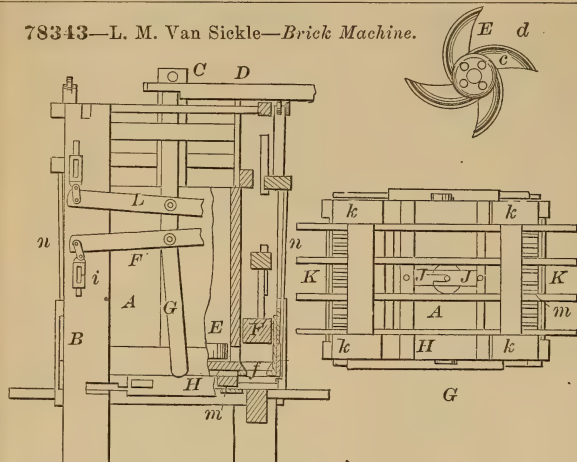
78337—W. Tibbals—*Priming Cartridges.*



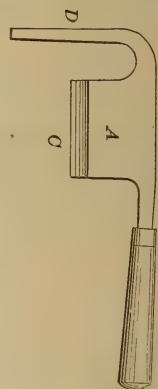
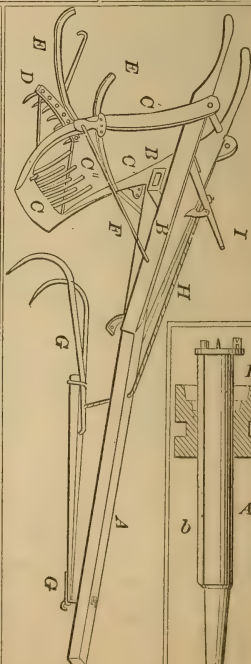
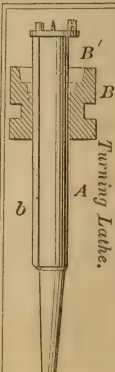
78340—J. D. Van Hovenbergh—Carriage.

78342—
J. B. T. Van Patten—
Globe Valve.

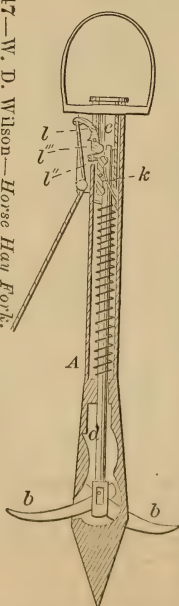
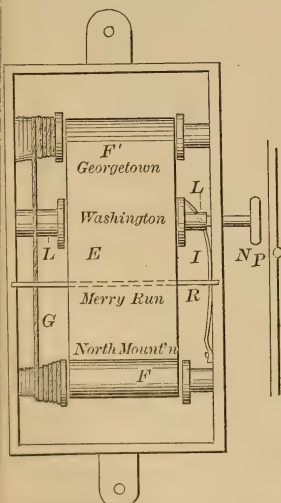
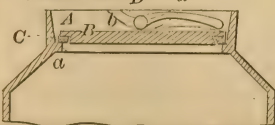
78343—L. M. Van Sickle—Brick Machine.



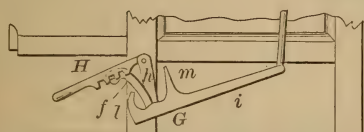
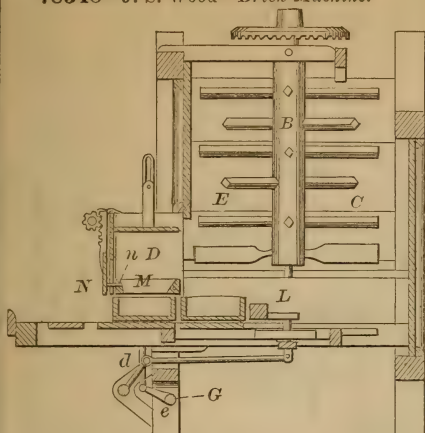
78344—J. Van Winkle—Wood Cleaver.

78345—G. Voyles—Potato
Digger.78341—A. J. Van Ornum—Wood
Turning Lathe.

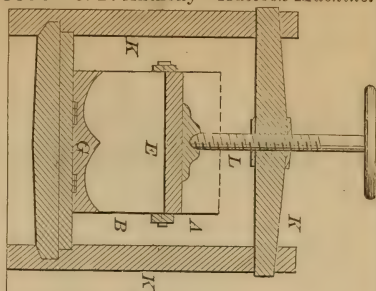
78347—W. D. Wilson—Horse Hay Fork.

78349—J. F. Zacharias—Railroad Station
Indicator.78346—J. R. Williamson—
Fruit Can. d d

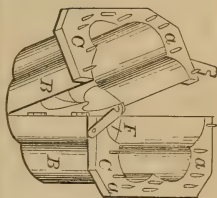
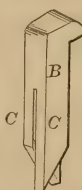
78348—J. S. Wood—*Brick Machine.*



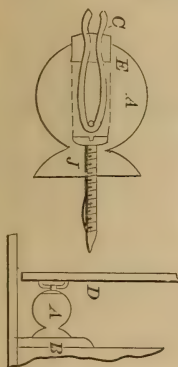
78350—C. F. Anthony—*Hassock Machine.*



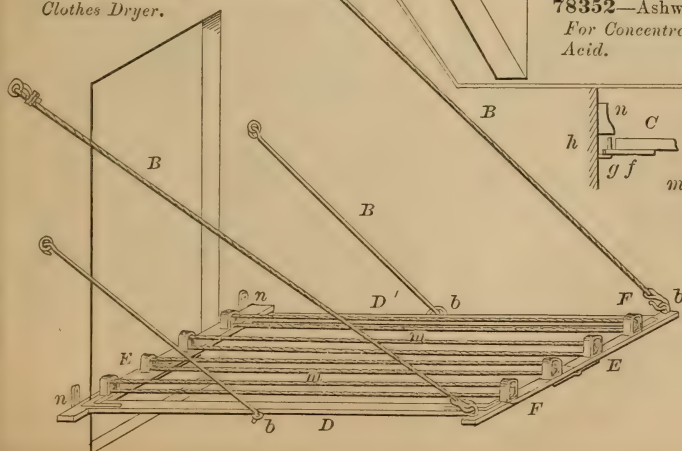
78354—J. Palmer—*Spike.*



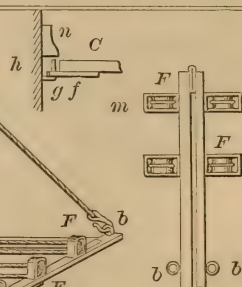
78355—C. W. Barnes—*Spring Catch and Stop.*



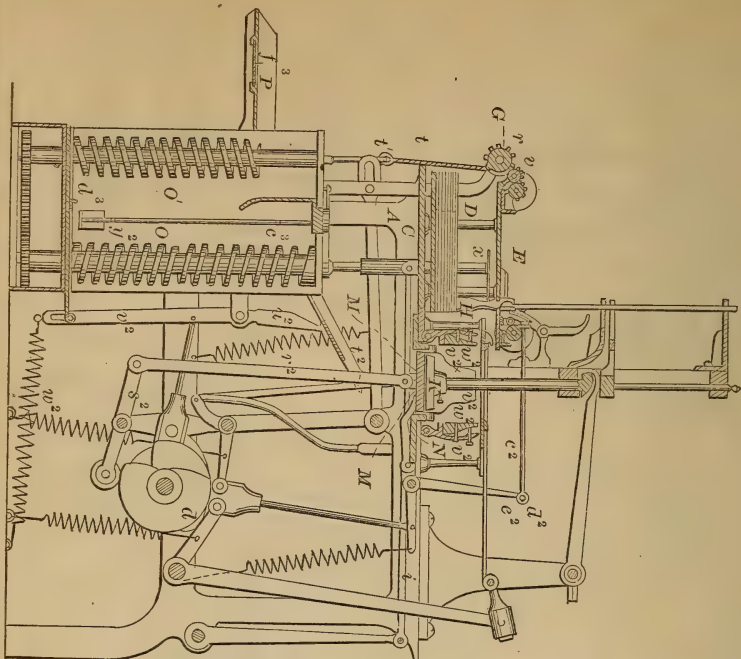
78351—W. Arrouquier—*Clothes Dryer.*



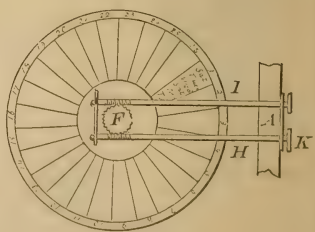
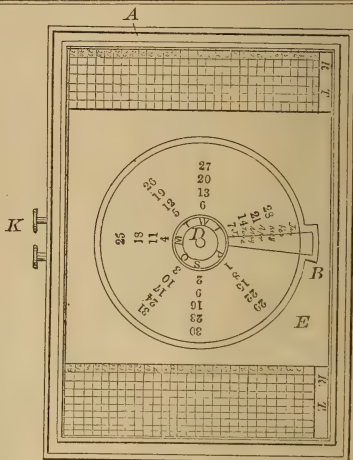
78352—Ashworth & Eaton—*For Concentrating Sulphuric Acid.*



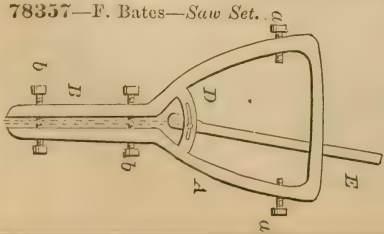
78353—J. Ball—Envelope Machine.



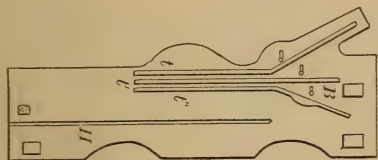
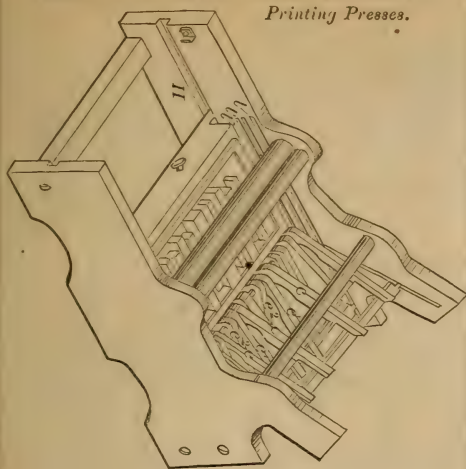
78356—S. L. Barinds—Perpetual Calendar.



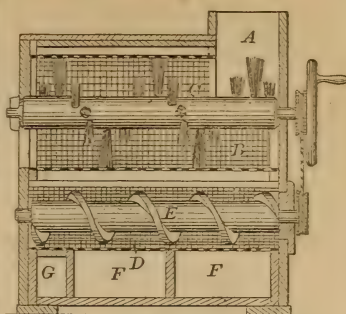
78357—F. Bates—Saw Set.



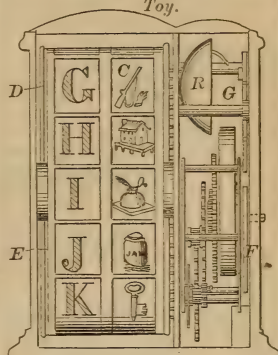
78358—T. L. Baylies—*Inking Apparatus for Printing Presses.*



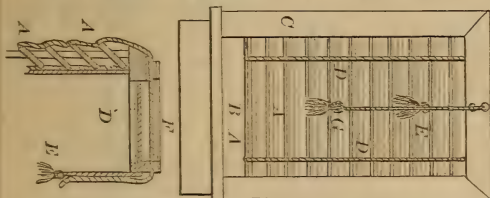
78360—Borgfeldt & Ritterhoff—*For Granulating Tobacco.*



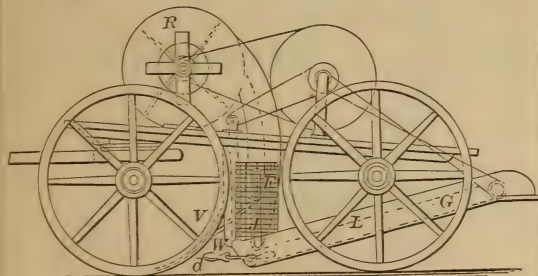
78361—R. J. Clay—*Alphabet Toy.*



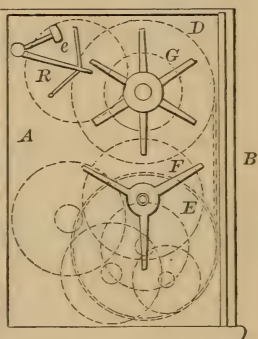
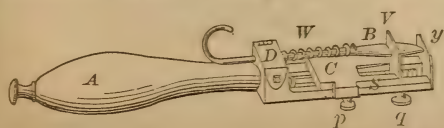
78359—Bellairs & Demott—*Window Blind.*



78362—R. E. Cooke—*Cotton Picker*

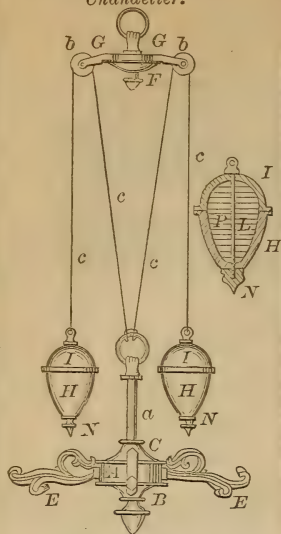
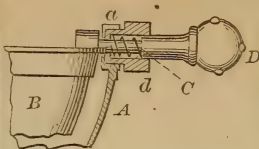
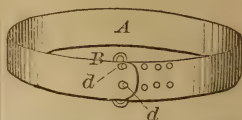


78363—W. De Camp—*Paring Knife for Boots and Shoes.*

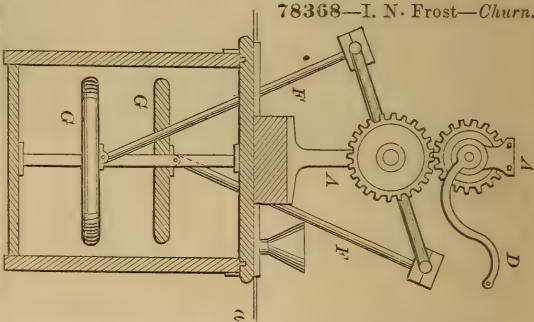
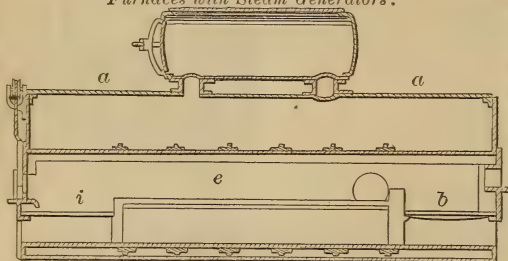


78364—P. S. Crawford—*Harness Buckle.*

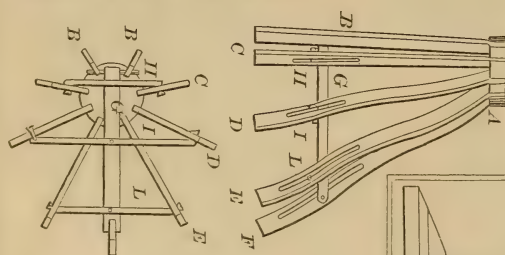


78365—J. A. Evarts—
Chandelier.78366—W. A. Fenn—
Covered Dish.78367—M. I. Findley—
Waist Belt or Girdle.

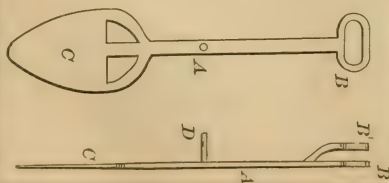
78368—I. N. Frost—Churn.

78370—Hawksley & Wild—Combination of Puddling
Furnaces with Steam Generators.

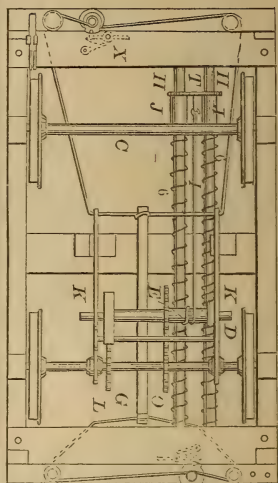
78374—F. Hull—Skirt Former.



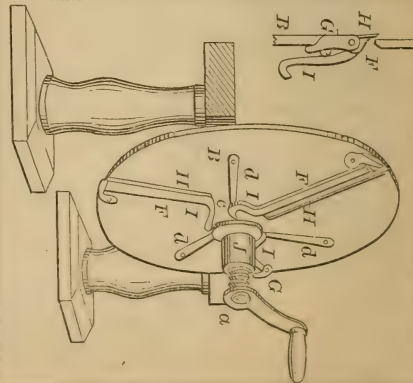
78369—F. Gerfen—Hay Cutter.



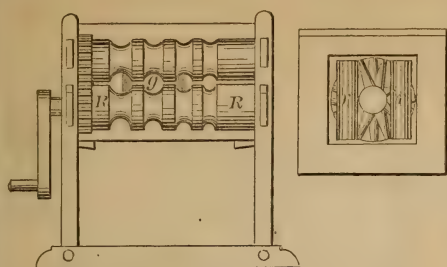
78371—M. Henderson—Car Brake and Starter.



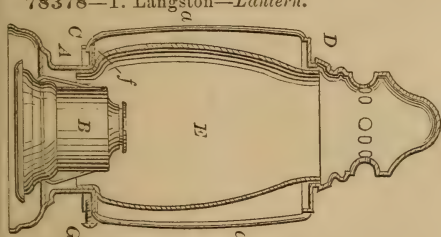
78373—R. Holmes—Vegetable Slicer.



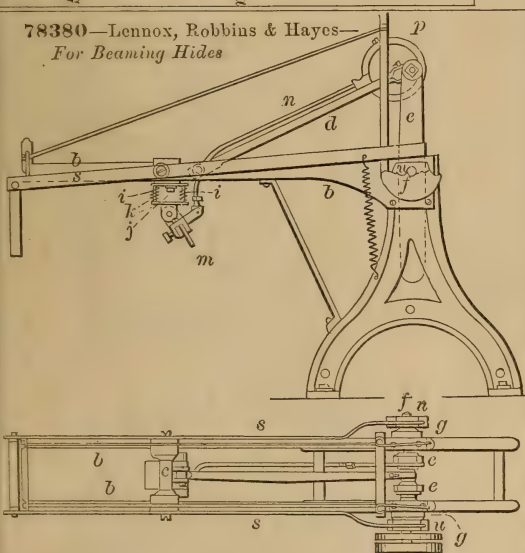
78376—J. A. Hunter—*For Straightening Tobacco.*



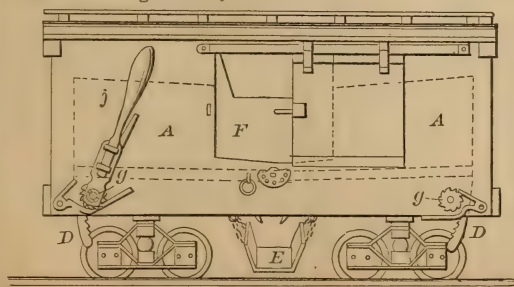
78378—T. Langston—*Lantern.*



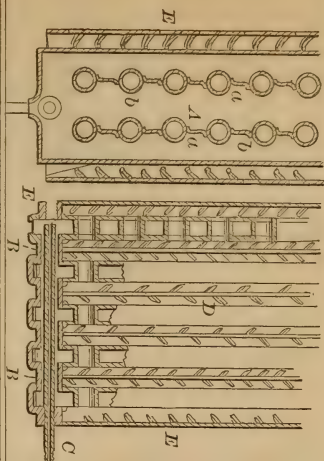
78380—Lennox, Robbins & Hayes—*For Beaming Hides*



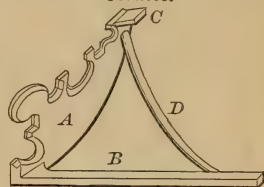
78383—Long & Lavey—*Grain Car.*



78377—Kessler & Carlisle—*Steam Heater.*



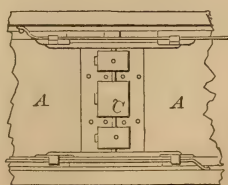
78381—A Levery—*Running Cornice.*



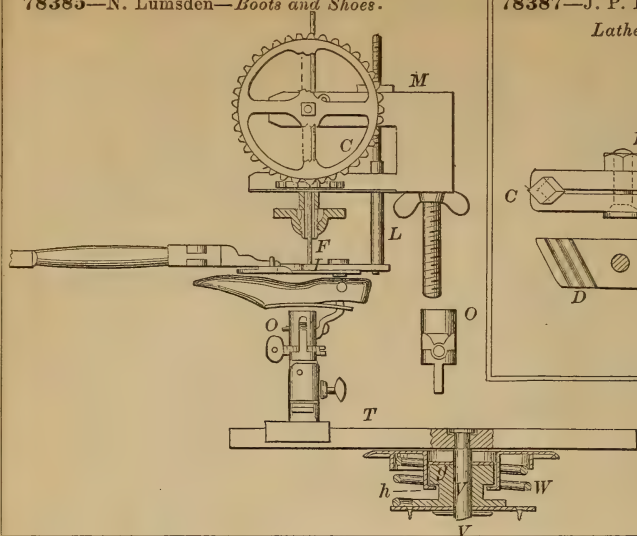
78382—W. Lindon—*Watch Key.*



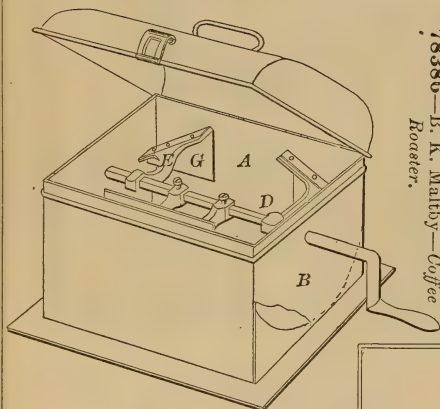
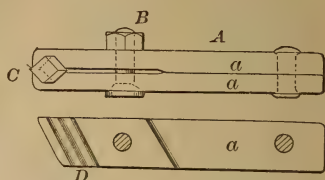
78384—R. O. Lowrey—*Shoe.*



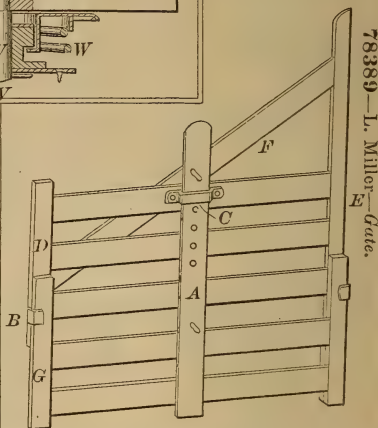
78385—N. Lumsden—Boots and Shoes.



78387—J. P. Manton—Holder for Lathe Planers.

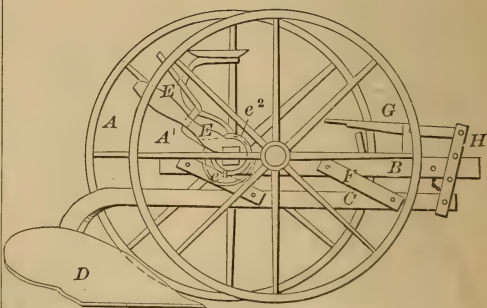


78386—B. K. Maltby—Coffee Roaster.

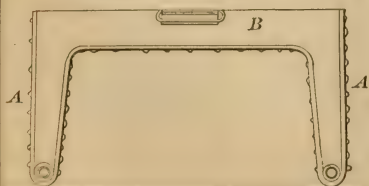


78389—L. Miller—Gate.

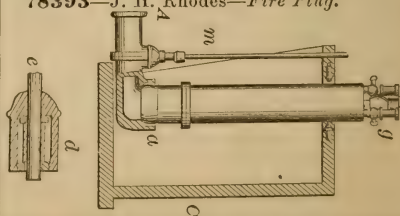
78390—H. W. Neal—Plow.



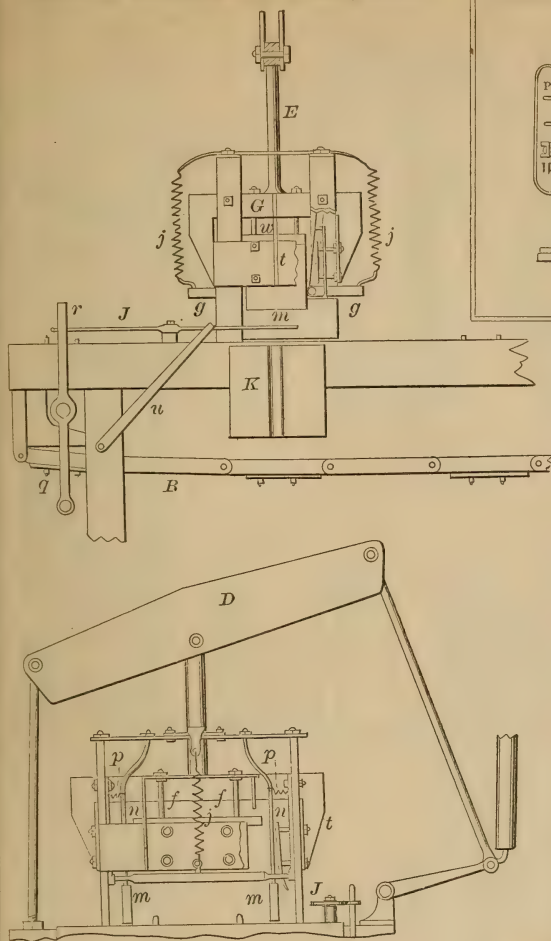
78391—G. L. Parker—Sap Boiler.



78393—J. H. Rhodes—Fire Plug.



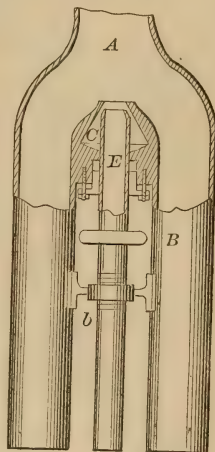
78388—J. McNamara—For Dressing Brick.



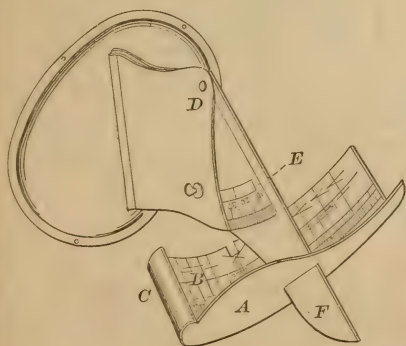
78394—H. S. Ross—Baggage Check.



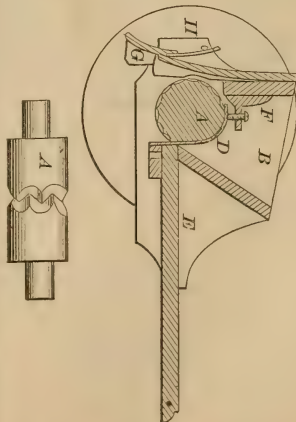
78395—H. S. Ross—Steam Water Ejector.



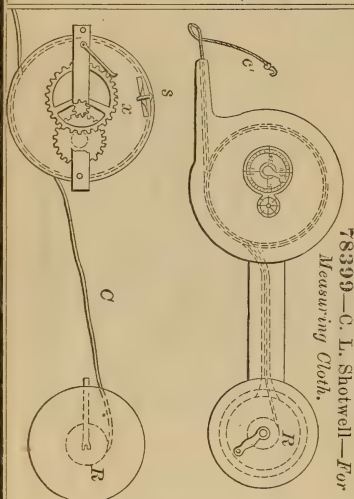
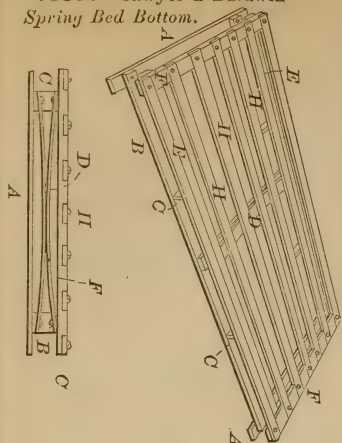
78392—H. C. Pearsons—Sun Dial.



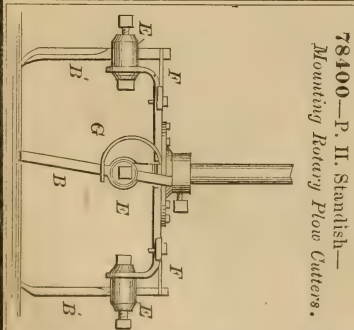
78396—Sanderson & Shattuck—Seed Sower.



78397—Sawyer & Baldwin—
Spring Bed Bottom.

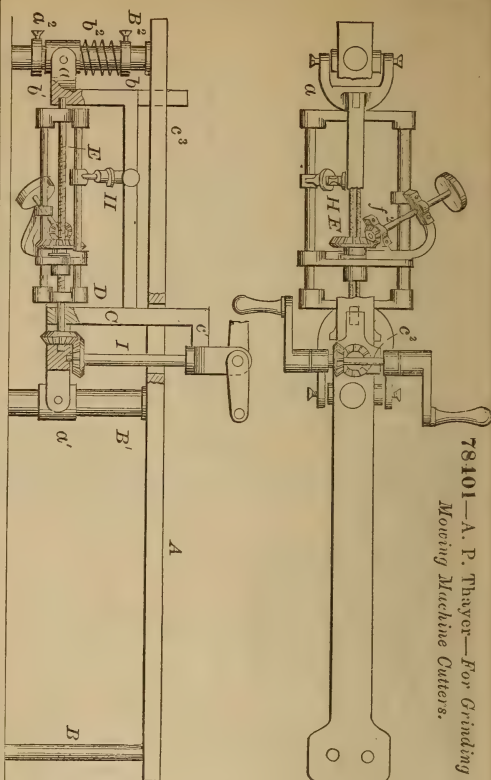
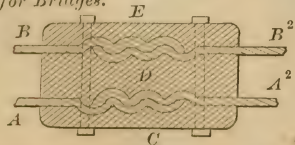


78399—C. L. Shotwell—For
Measuring Cloth.



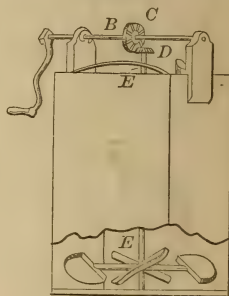
78400—P. H. Standish—
Mounting Rotary Plove Cutters.

78403—L. E. Truesdell—Lock Bar for
for Bridges.

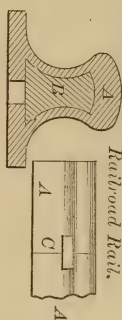


78401—A. P. Thayer—For Grinding
Moving Machine Cutters.

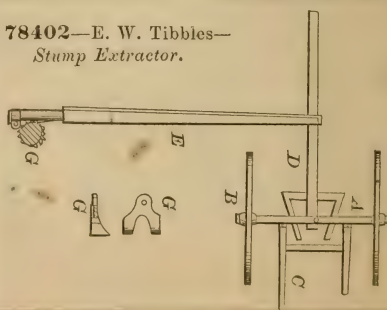
78398—Shuffert & Cooper—
Churn.



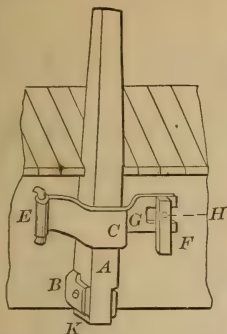
78404—L. B. Wakeman—
Railroad Rail.



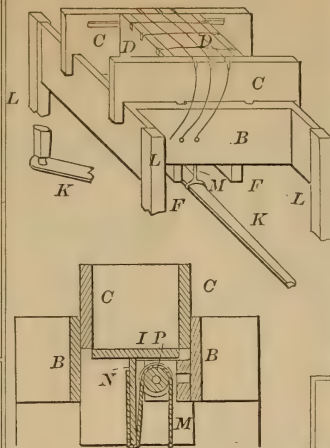
78402—E. W. Tibbles—
Stump Extractor.



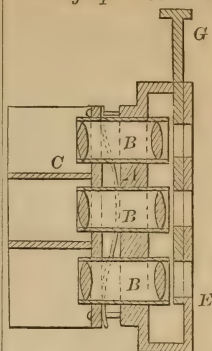
78405—W. P. Wentworth—*Stake Holder for Cars.*



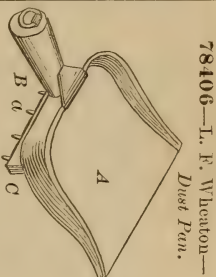
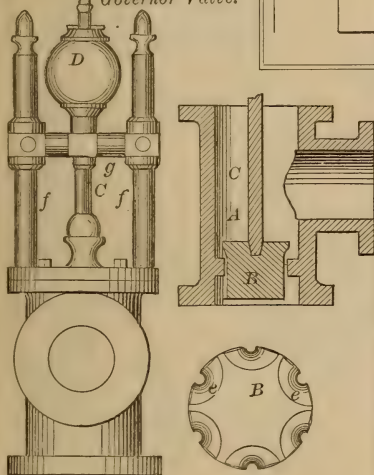
78407—C. Wightman—*Wool Box.*



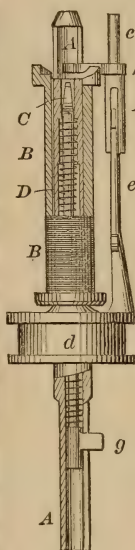
78408—S. Wing—*Photographic Camera.*



78410—*Andrews & Armstrong—Governor Valve.*

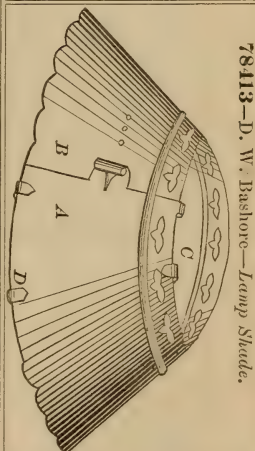
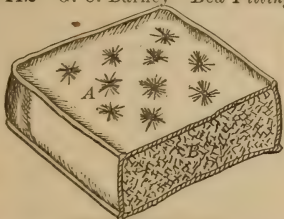


78406—L. F. Wenton—*Dust Pan.*



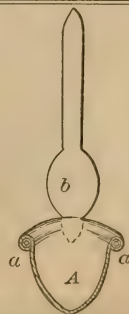
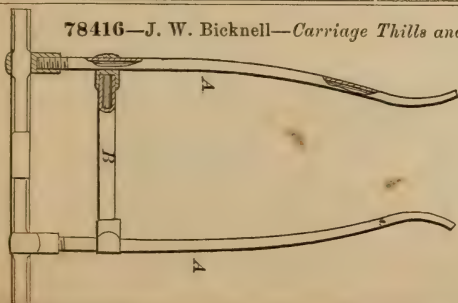
78411—D. Avery—*Carrier for Braiding Machines.*

78412—G. C. Barney—*Bed Filling.*



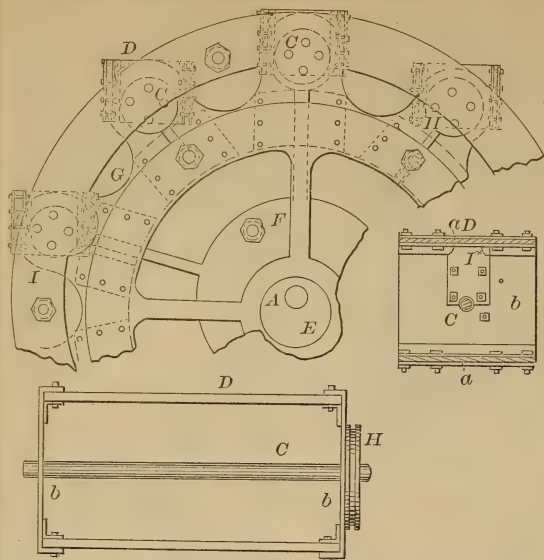
78413—D. W. Bashore—*Lamp Shade.*

78416—J. W. Bicknell—*Carriage Thills and Pole.*

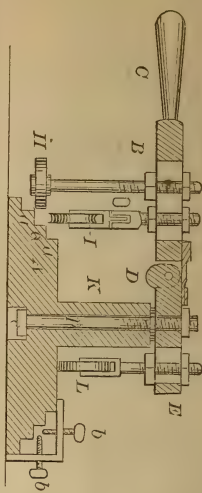


78414—A. F. Baum—*Catenoidal Neck.*

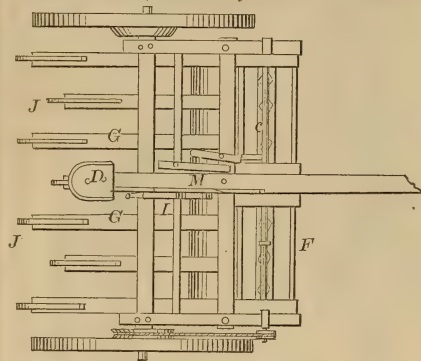
78415—R. Bell—Feathering Paddle Wheel.



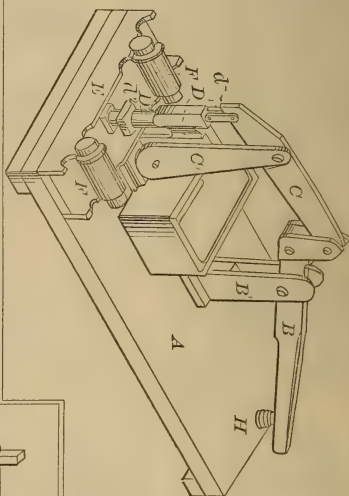
78418—W. Boyd—For Bending Circles.



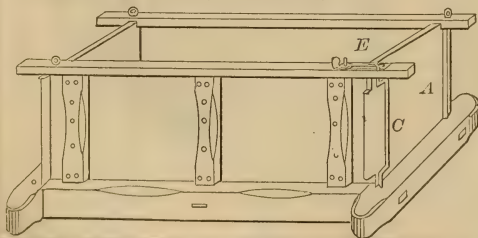
78417—Blood, Hathaway & Beach—Cultivator.



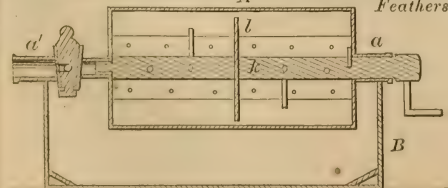
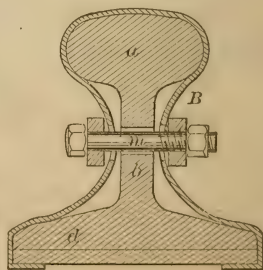
78420—J. M. Bryan—Tire Bending and Punching.



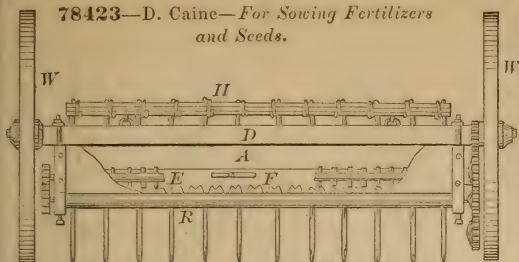
78419—W. Bradley—Cart Body.



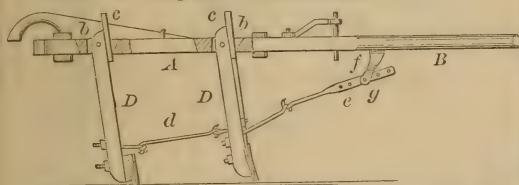
78421—D. Budd—For Cleaning and Renovating Feathers.

78422—A. G. Buzby—
Railroad Rail.

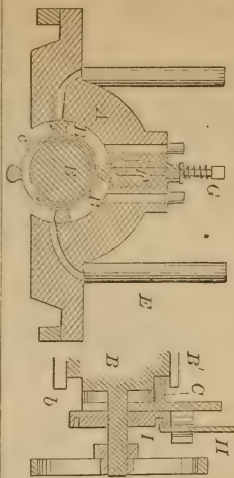
78423—D. Caine—For Sowing Fertilizers and Seeds.



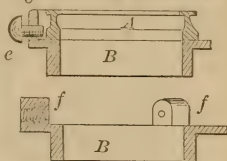
78424—A. Campbell—Corn Cultivator.



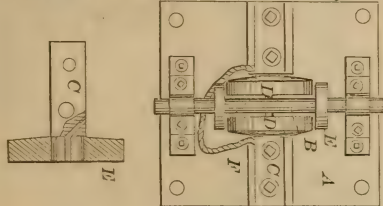
78425—W. B. Campbell—Rotary Steam Engine.



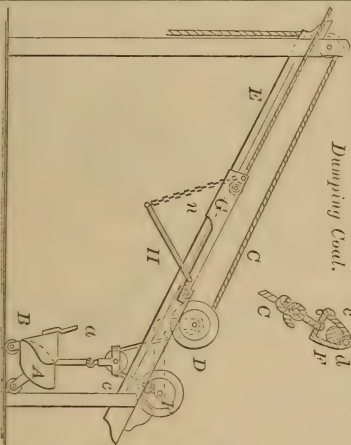
78427—W. T. Carroll—Ring for Spinning Machines.



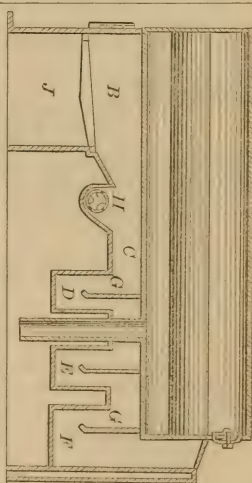
78428—A. W. Case—Thrust Bearing.



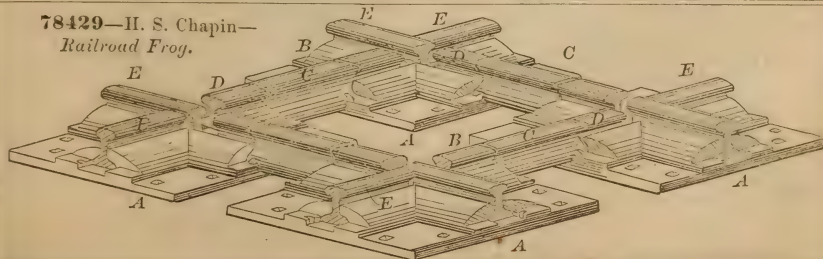
78430—Clark & Little—For Conveying and Dumping Coal.



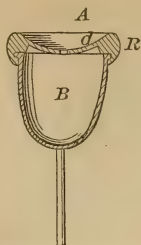
78426—N. L. Carpenter—Steam Boiler Furnace.



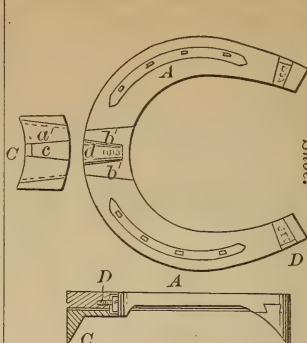
78429—H. S. Chapin—Railroad Frog.



78431—S. P. Cole—
Uterine Supporter.



78432—W. H. Cox—*Sand
Throwing Machine.*

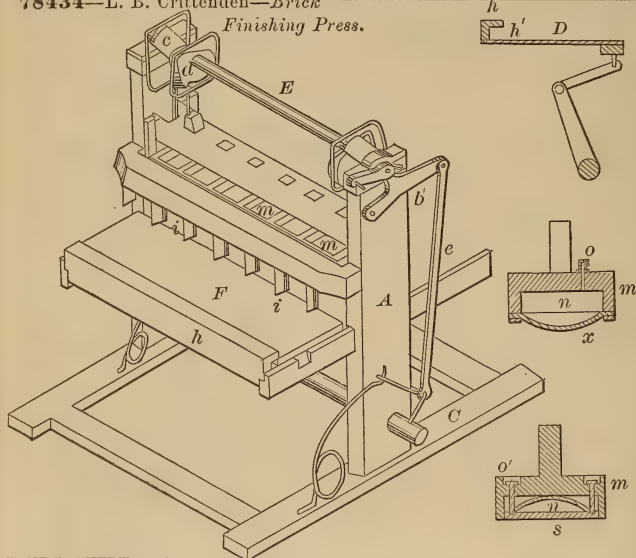


78436—J. M. Cuykendall—*Horse
Shoe.*

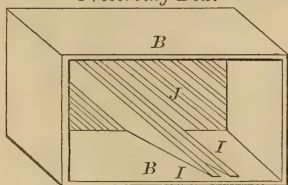


78435—G. B. Cubberley—*File.*

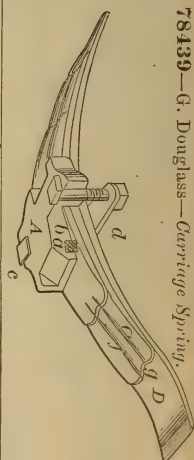
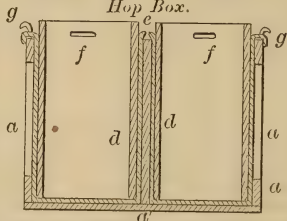
78434—L. B. Crittenden—*Brick
Finishing Press.*



78437—O. E. Doolittle—*Fruit
Preserving Box.*

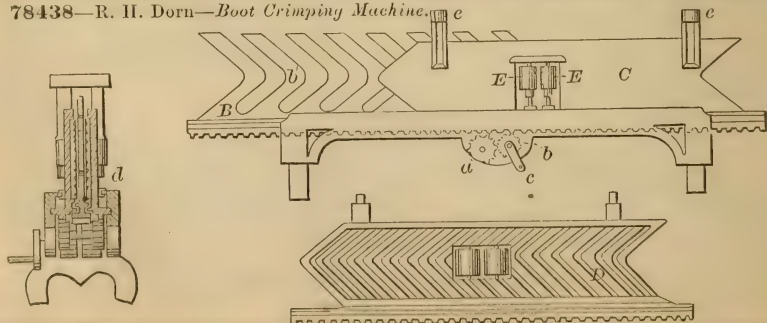


78433—W. R. Crandall—*Hop Box.*

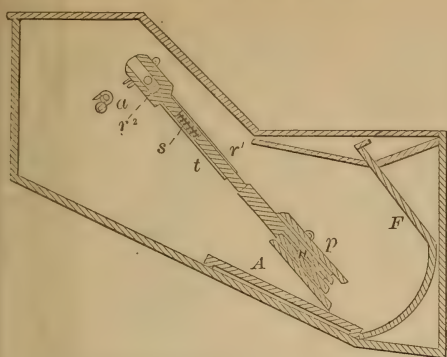


78439—G. Douglass—*Carriage Spring.*

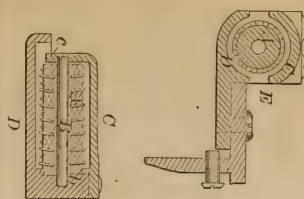
78438—R. H. Dorn—*Boot Crimping Machine.*



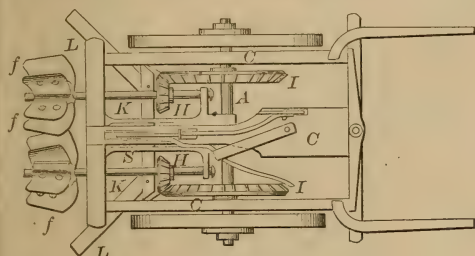
78440—N. Drew—Washing Machine.



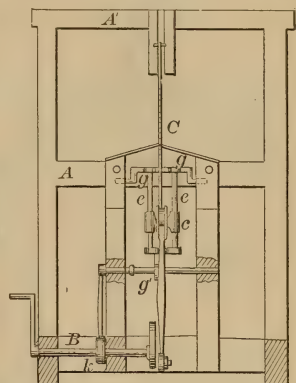
78441—W. W. Dutcher—Loom Temple.



78442—H. P. Eckler—Cultivator and Hoe.



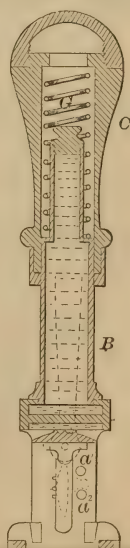
78443—A. R. Ehlers—Saw Mill.



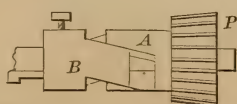
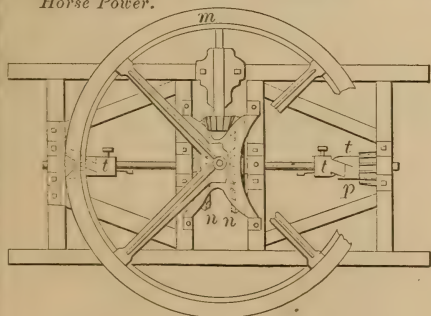
78444—L. H. Emmons—Mop Head.



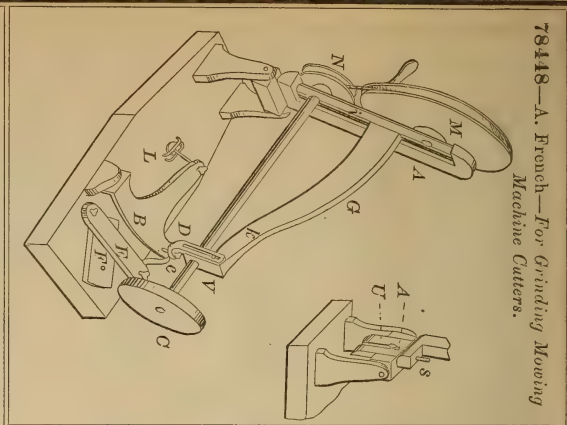
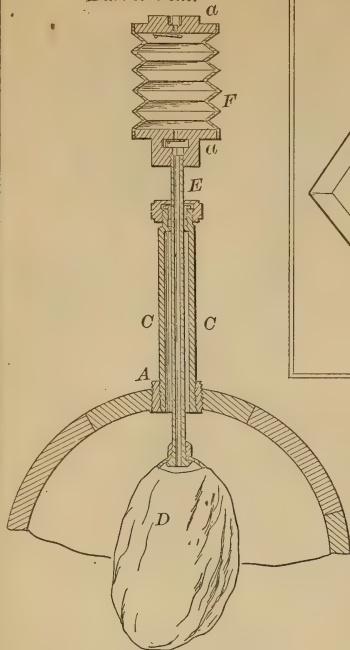
78446—A. Fessler—Hand Stamp.



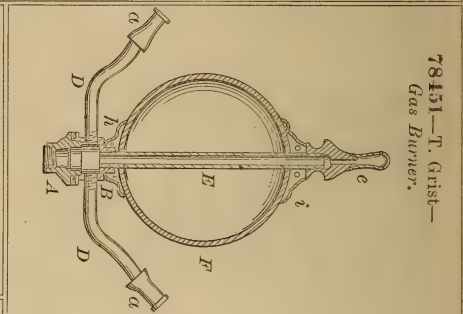
78445—J. S. Everitt—Adjustment of Gearing for Horse Power.



78447—R. C. Fleming—
Barrel Vent.

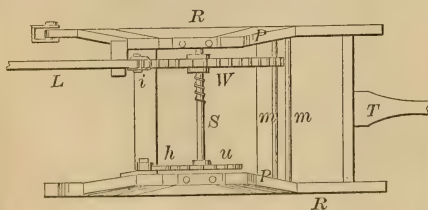
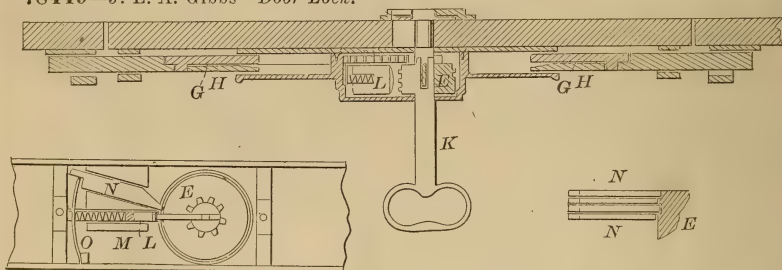


78448—A. French—For Grinding Moving
Machine Cutters.



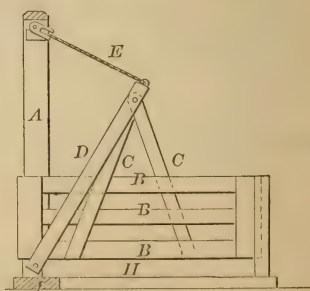
78451—T. Grist—
Gas Burner.

78449—J. E. A. Gibbs—Door Lock.

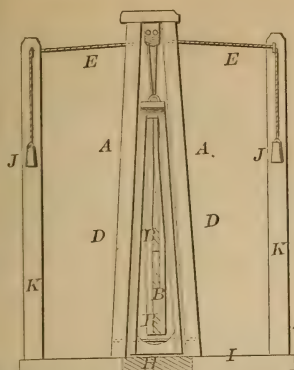


78450—A. Goodrich—Stump Extractor.

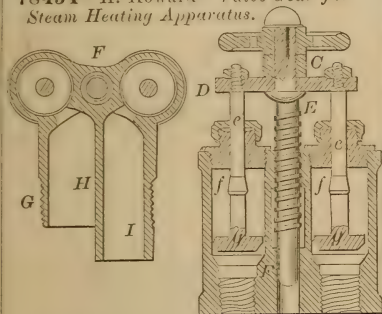
78452—W. C. Hooker—Gate.



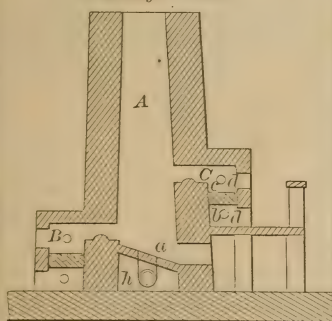
78452—Continued.



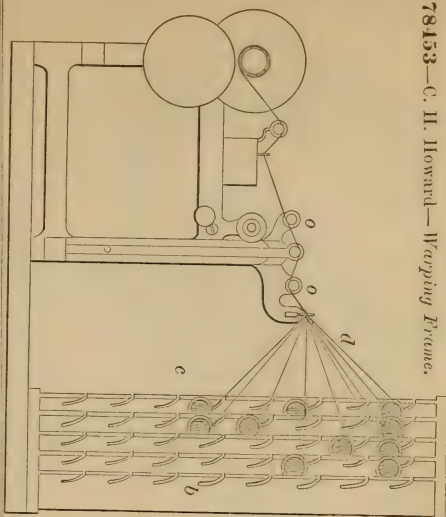
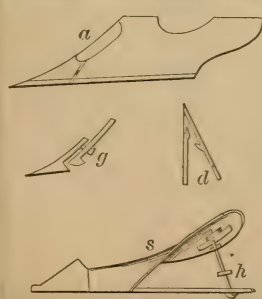
78454—H. Howard—Valve Gear for Steam Heating Apparatus.



78456—E. P. Hudson—Ore Roasting Furnace.

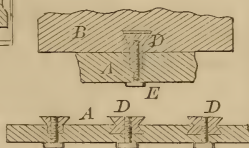
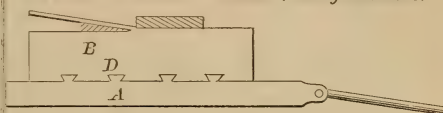


78457—S. Hulbert—Plow.



78453—C. H. Howard—Warping Frame.

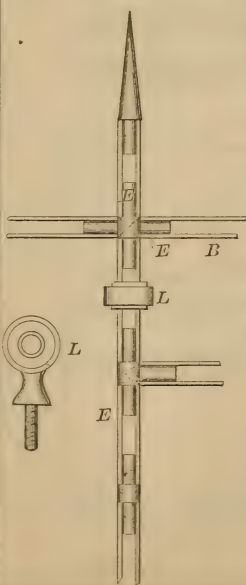
78458—E. Jewett—Veneer Cutting Machine.



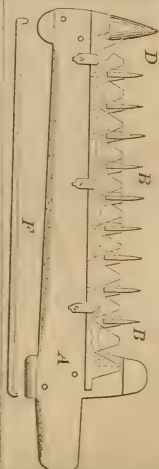
78455—A. Hoyt—Pavement.



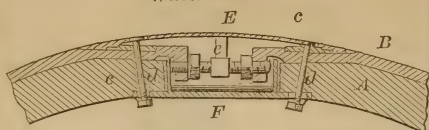
78459—G. Kirtland—Lightning Rod.



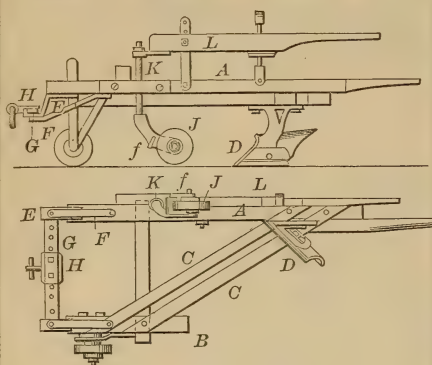
78460—M. Lewis—Harvester Cutter.



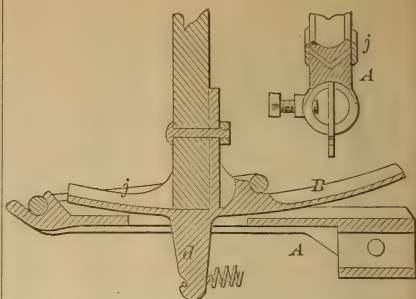
78461—T. R. Markillie—*Tightening Wheel Tires.*



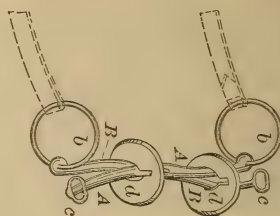
78464—D. C. Matteson—*Gang Plow.*



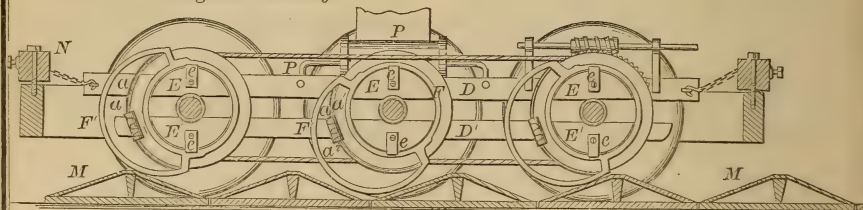
78463—W. Mason—*Mounting Picker Staffs.*



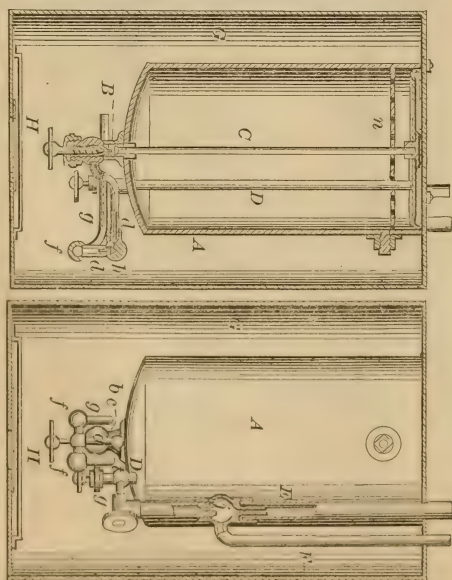
78466—P. J. McGuiness—*Bridle Bit.*



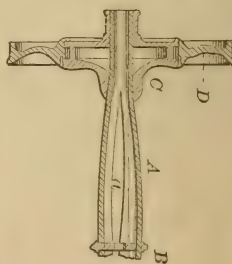
78462—C. Margutti—*Railway.*



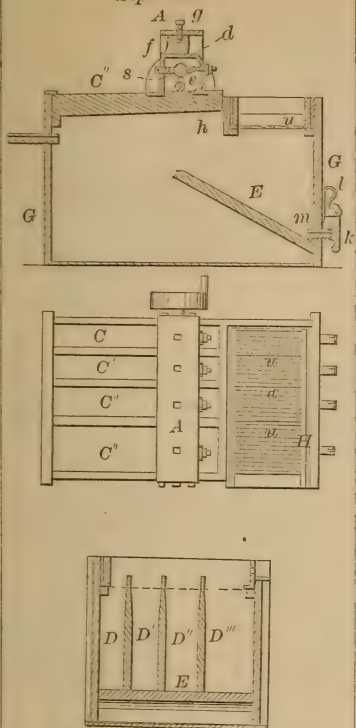
78465—Maxim & Lockwood—*Gas Machine.*



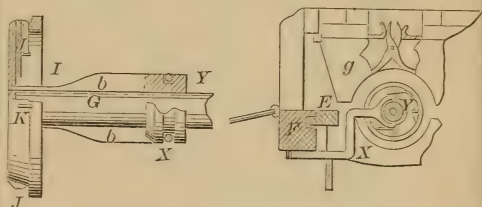
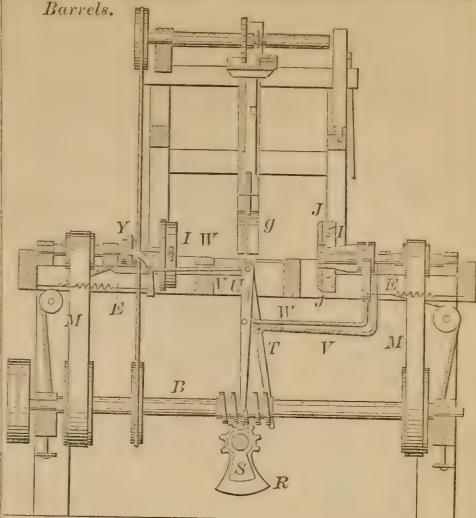
78467—J. Montgomery—*Car Axle and Wheel.*



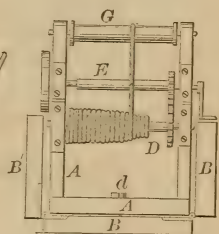
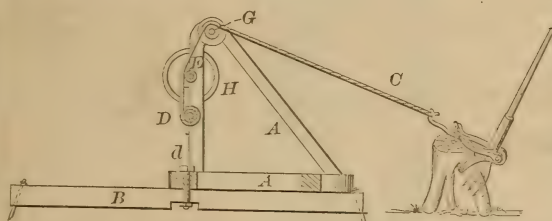
78468—R. C. Morton—*Ore Separator.*



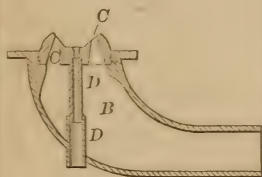
78470—C. Murdock—*For Crozing and Chamfering Barrels.*



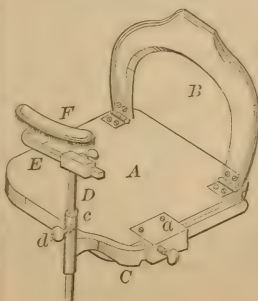
78469—C. Munns—*Stump Extractor.*



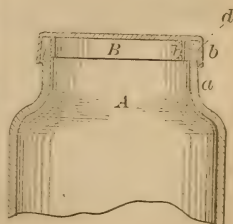
78471—W. H. Myers—*Tuyere.*



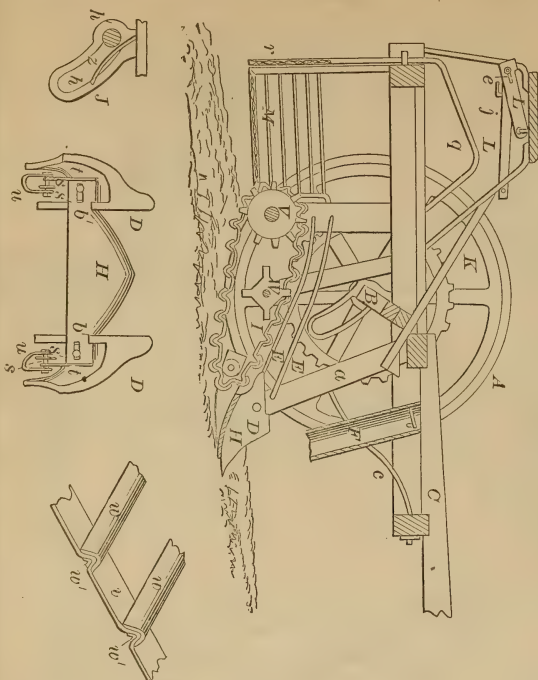
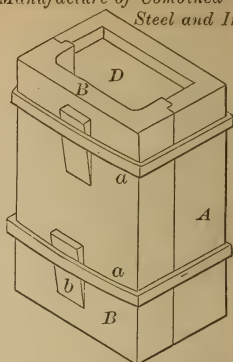
78472—F. Neuhaus—*Tailors' Seat.*



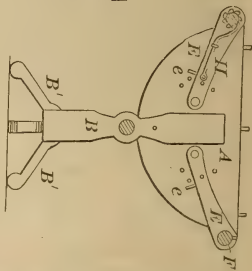
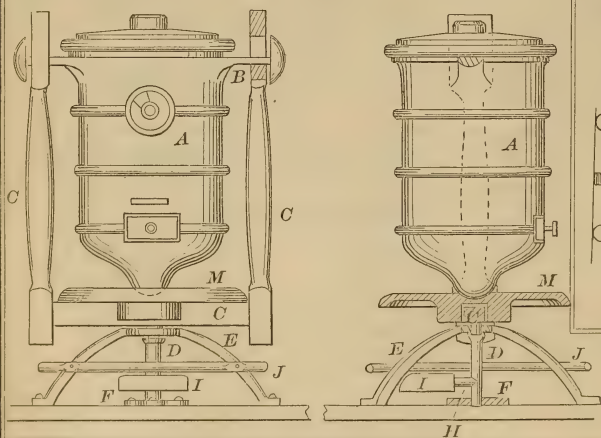
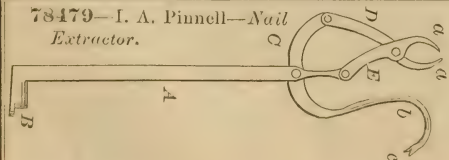
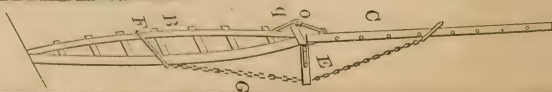
78474—H. B. Norton—*Fruit Jar.*



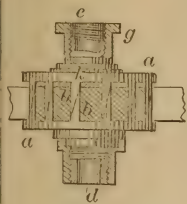
78473—H. B. Norton—Potato Digger.

78477—J. Park, Jr.—
Manufacture of Combined
Steel and Iron.78478—M. E. Phillips—Table and Quilting
Frame.

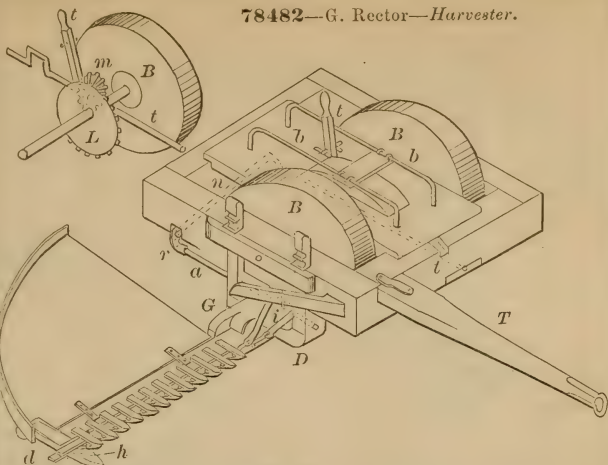
78475—R. O'Brien—Car Stove.

78479—I. A. Pinnell—Nail
Extractor.78476—G. W. Packer—Extension
Step Ladder.

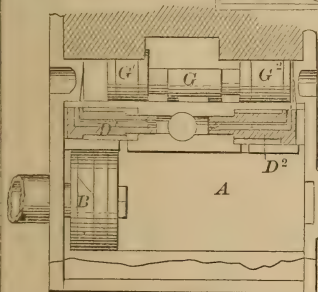
78480—H. Poth—
Wheel.



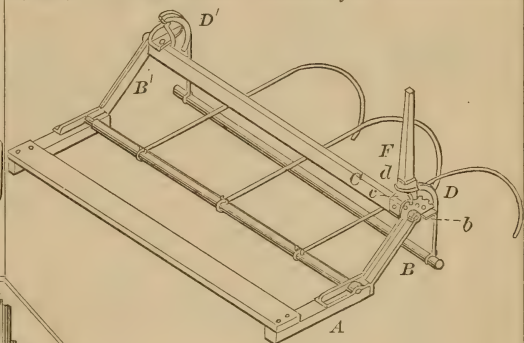
78482—G. Rector—Harvester.



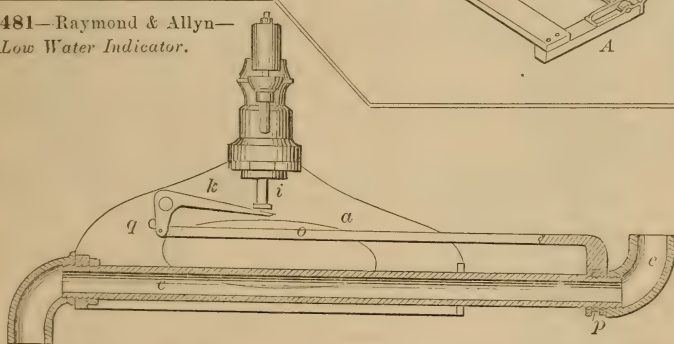
78483—A. K. Rider—
Steam Engine Valve.



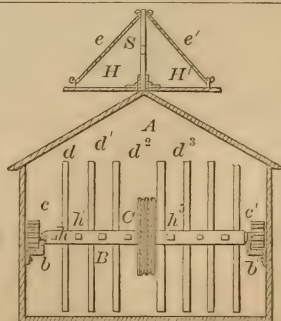
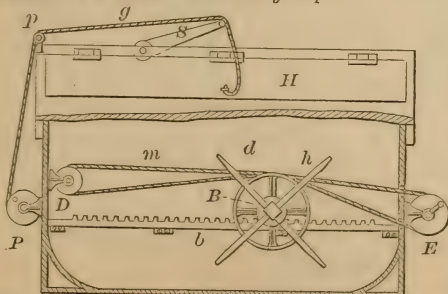
78484—J. S. & I. Rowell—Elevator for Cultivator Bars.

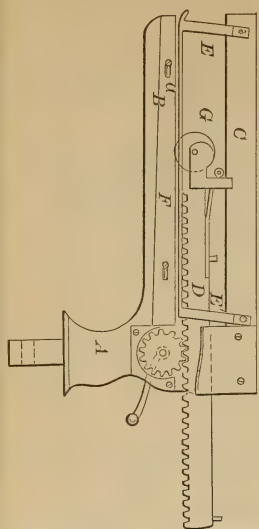


78481—Raymond & Allyn—
Low Water Indicator.



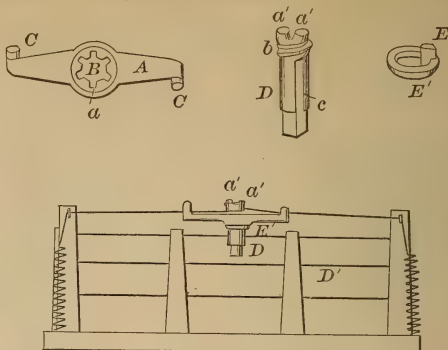
78485—J. S. Sandt—For Curing Hops.



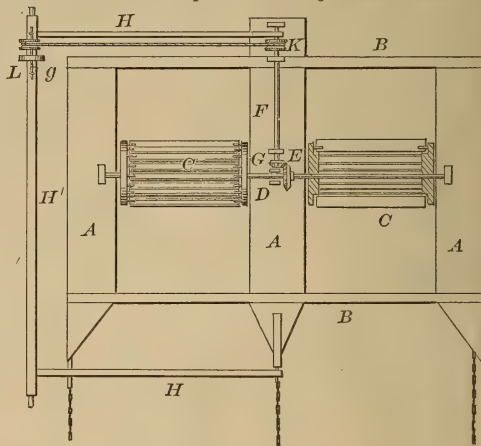


78486—W. Serviss—For Grooving Sheet Metal.

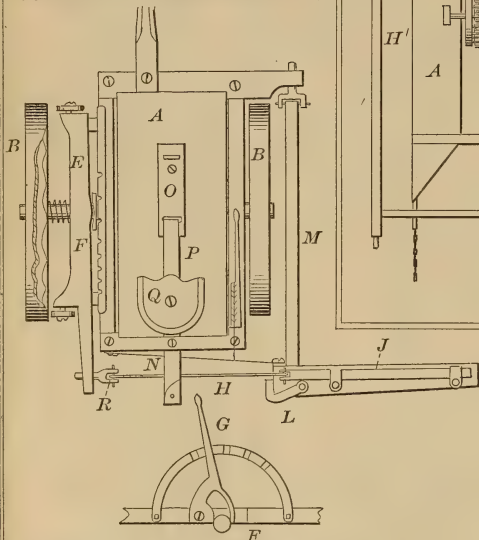
78487—C. Seyler—Vine Trellis.



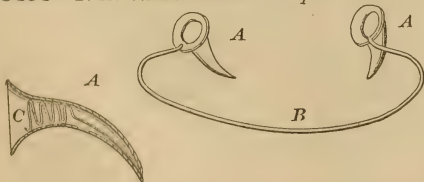
78488—A. B. Shepard—Floating Water Power.



78490—L. D. Snook—Harvester.



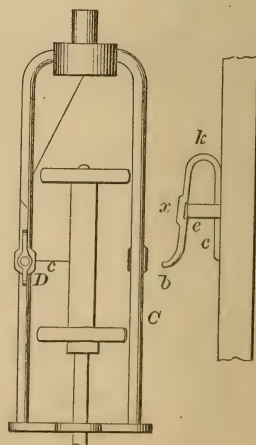
78493—T. H. Stilwell—Ear Trumpet.



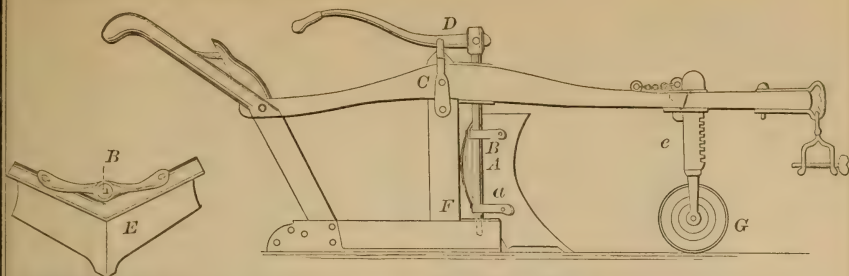
78491—W. W. Spencer—Self-Fastening Buckle.



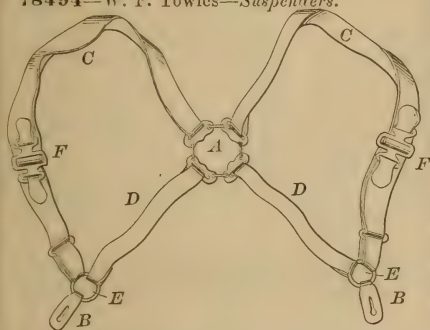
78489—H. Silver—Spinning Machine Flyer.



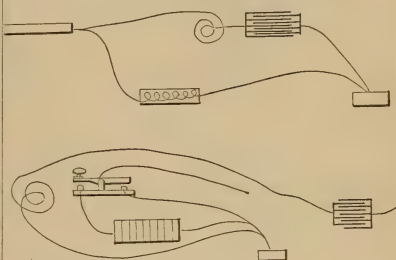
78492—C. Ph. Steinmetz—*Plow.*



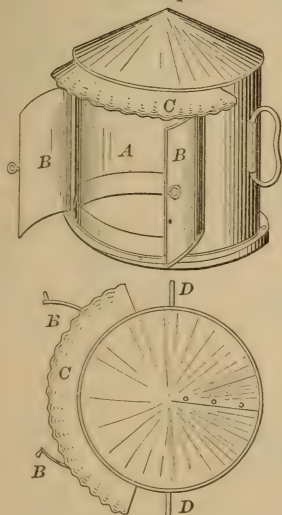
78494—W. P. Towles—*Suspenders.*



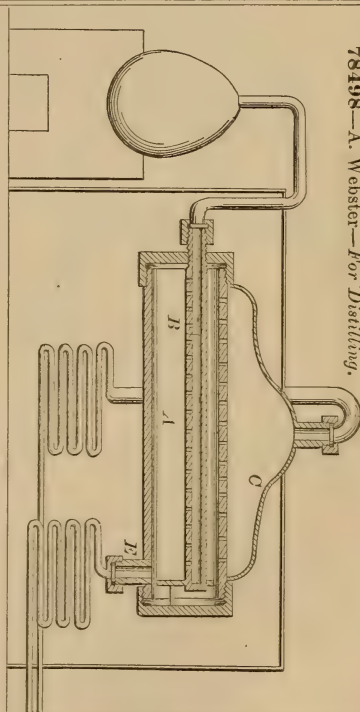
78495—C. F. Varley—*Telegraphing.*



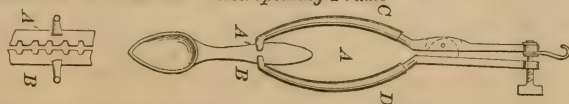
78496—G. Warner—*Cap for Marine Stove Pipes.*



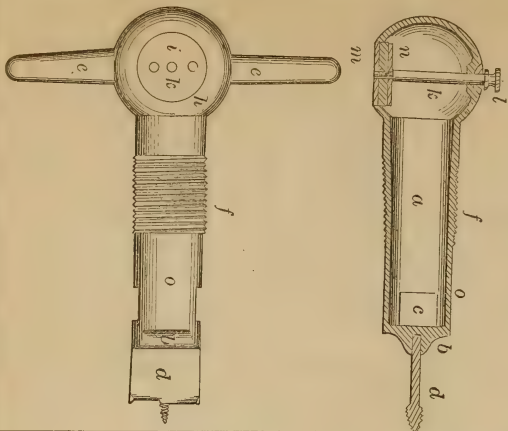
78498—A. Webster—*For Distilling.*



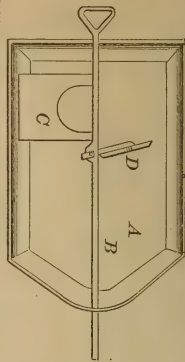
78497—W. H. Watrous—*Electroplating Frame*



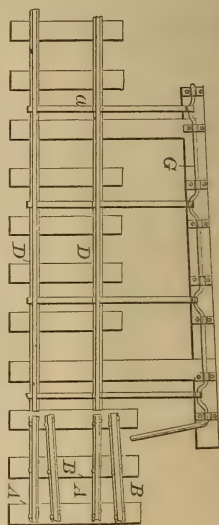
78499—A. Weed—Self-Boring Stop Cock.



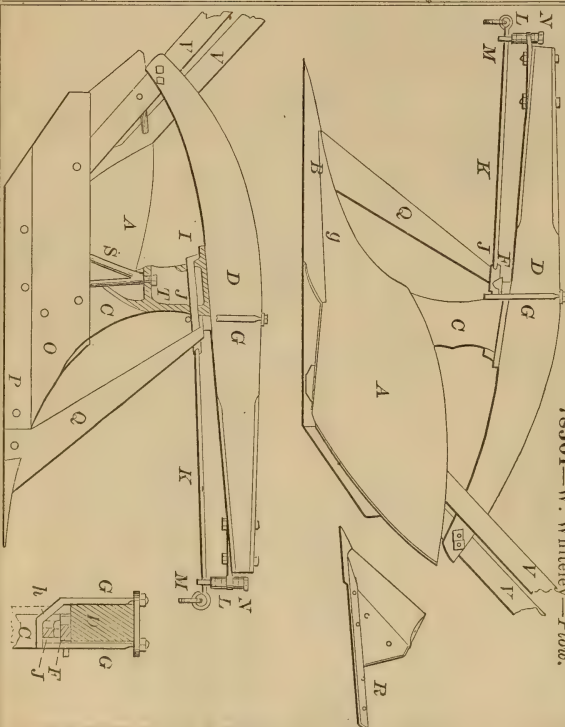
78502—H. Willard—Butter Worker.



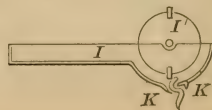
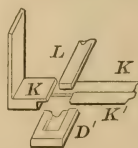
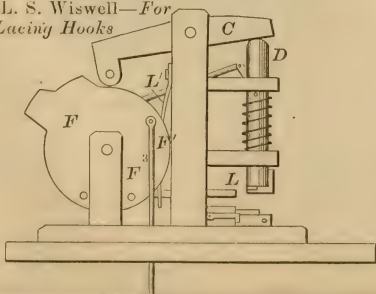
78500—W. Wharton, Jr.—Railway Switch.



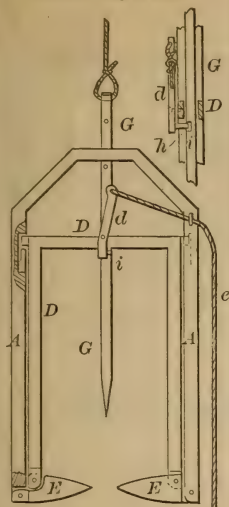
78501—W. Whiteley—Plow.



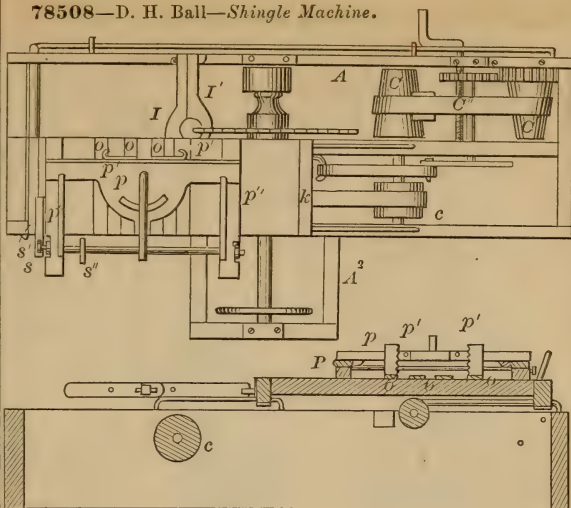
78503—L. S. Wiswell—For Fastening Lacing Hooks to Gaiters.



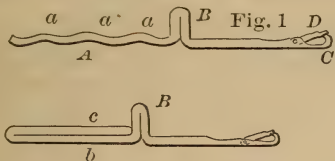
78504—J. Wolfrom—
Horse Hay Fork.



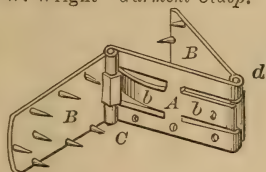
78508—D. H. Ball—*Shingle Machine.*



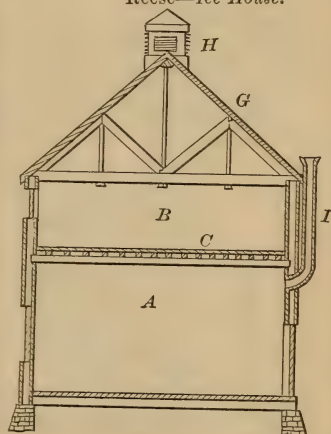
78506—W. Aiken—*Knitting Machine Needle.*



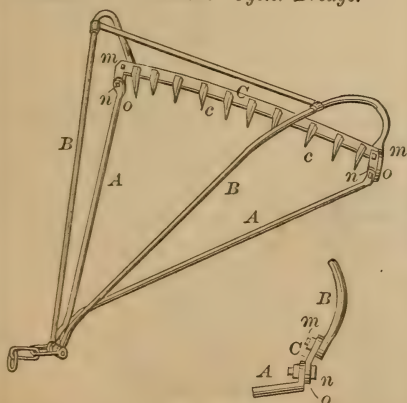
78505—W. Wright—*Garment Clasp.*



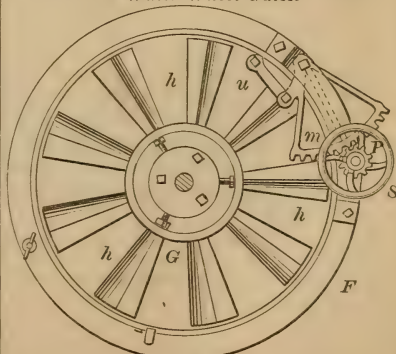
78507—Baierle, Hartmann &
Reese—*Ice House.*

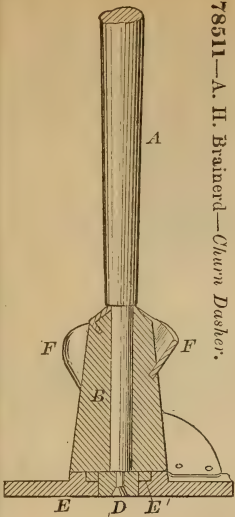


78509—C. T. Belbin—*Oyster Dredge.*



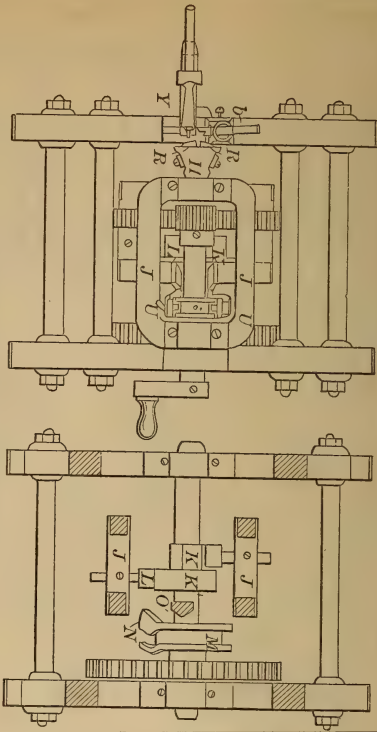
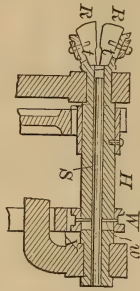
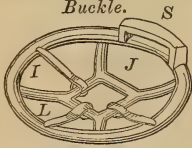
78510—Bodine & Hill—*For Operating
Water Wheel Gates.*





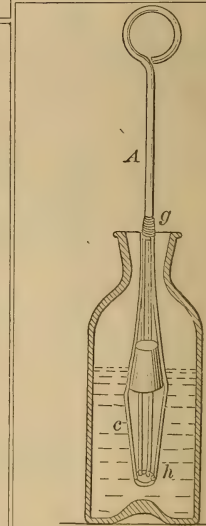
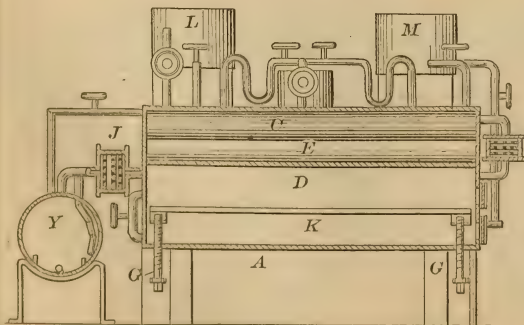
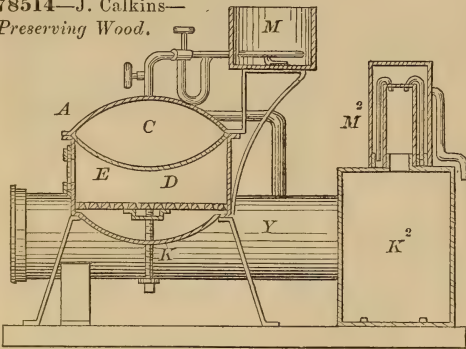
78511—A. H. Brainerd—Churn Dasher.

78516—F. Ditton—Halter Buckle.

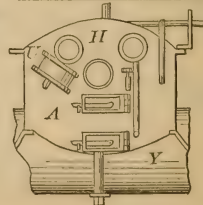


78512—J. Burns—For Shaving Screws.

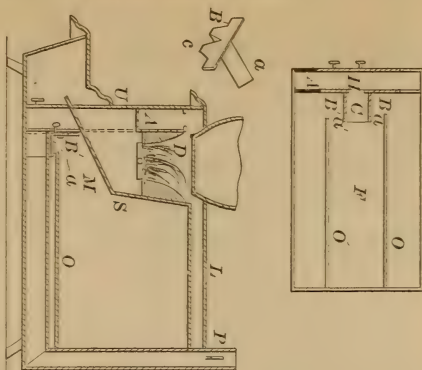
78514—J. Calkins—Preserving Wood.



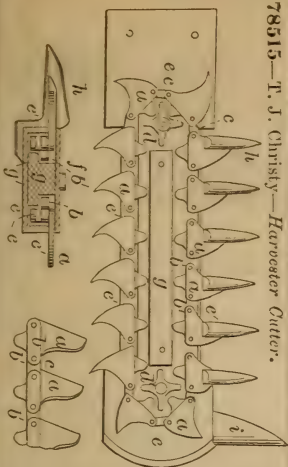
78513—E. Button—Cork Extractor.



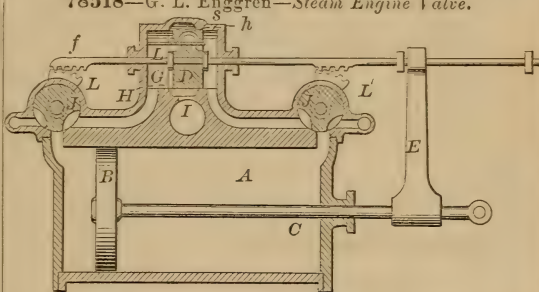
78517—W. Doyle—Cooking Stove.



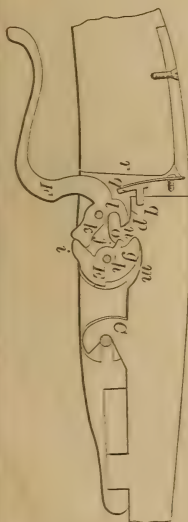
78515—T. J. Christy—Harvester Cutter.



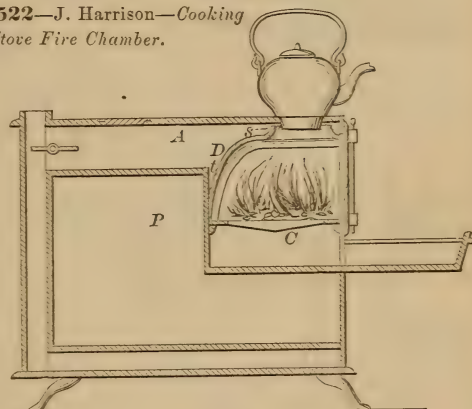
78518—G. L. Enggren—Steam Engine Valve.



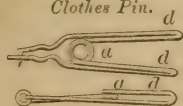
78519—F. H. Escherich—Fire Arm.



78522—J. Harrison—Cooking Stove Fire Chamber.



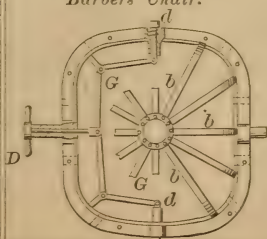
78523—R. Hathaway—Clothes Pin.



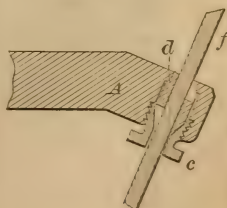
78521—S. W. Gear—Door and Window Catch.



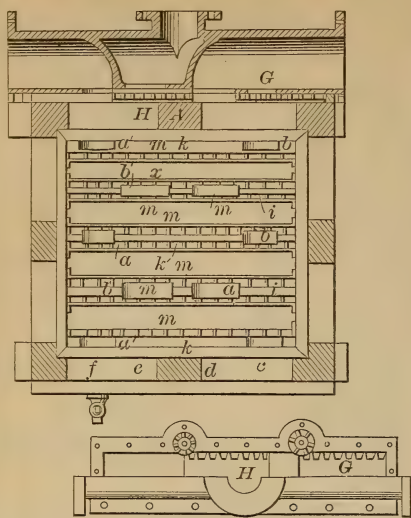
78525—C. Kaestner—Barbers' Chair.



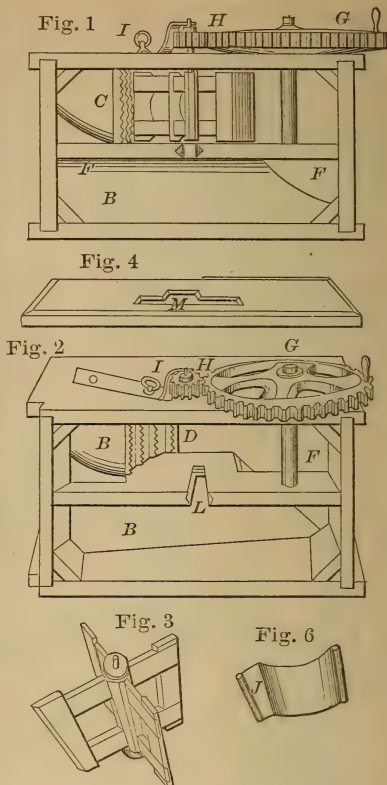
78520—C. H. Fowler—Lathe Tool Holder.



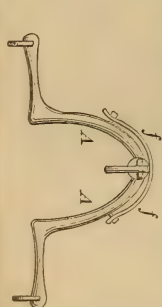
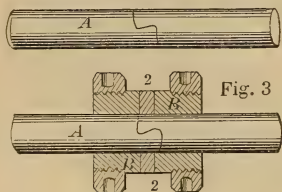
78524—L. Holms—Filter.



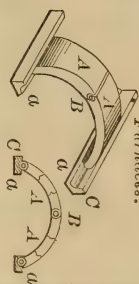
78526—J. Kepler—Churn.



78529—J. F. Light—Shaft Coupling.

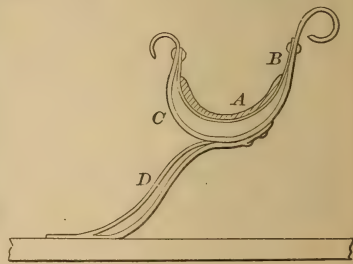


78533—J. McKillop—Bridle.

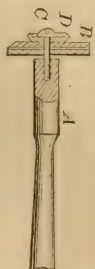
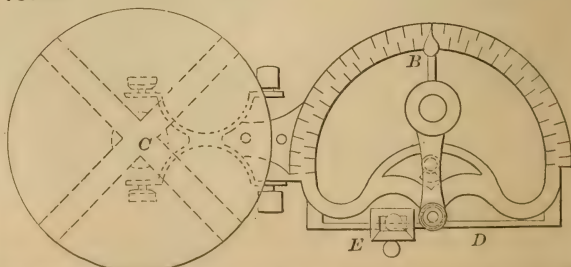


78527—E. Laass—Arch of Furnaces.

78531—W. I. Ludlow—Harvester Seat.



78532—L. A. Matos—Balance.

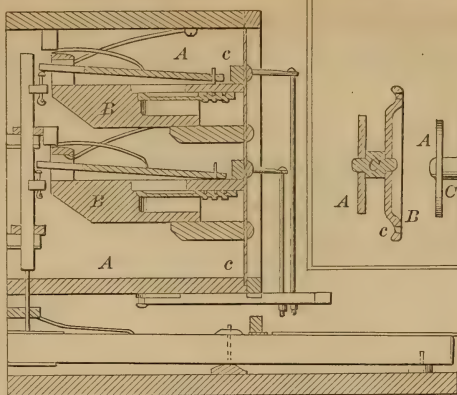


78528—J. Lee—Lamp Chimney Cleaner.

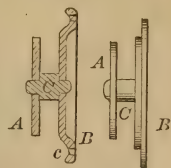
78534—J. Moses—*Galvanic Spectacles.*



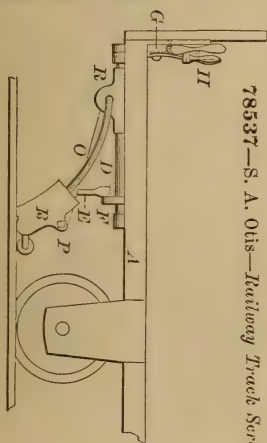
78536—E. P. Needham—*Reed Musical Instrument.*



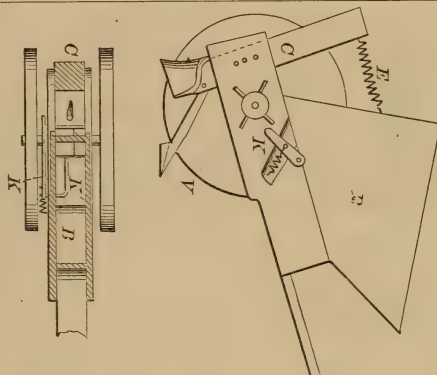
78535—C. Mudler—*Button.*



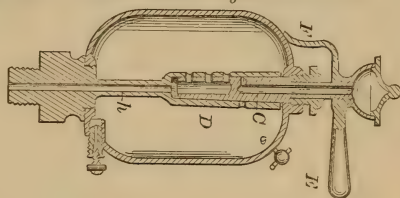
78537—S. A. Otis—*Railway Track Scraper.*



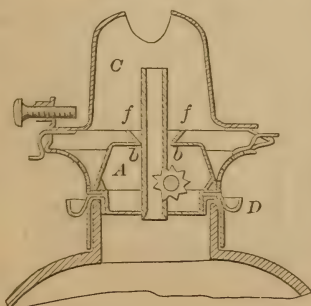
78538—Perkins & Colburn—*Seed Sowing Machine.*



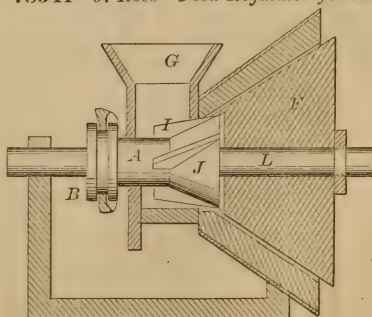
78540—J. Ross—*Steam Engine Lubricator.*



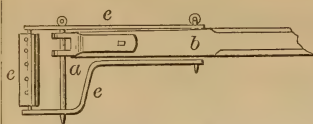
78539—W. Robinson—*Lamp Burner.*



78541—J. Ross—*Feed Regulator for Mills.*



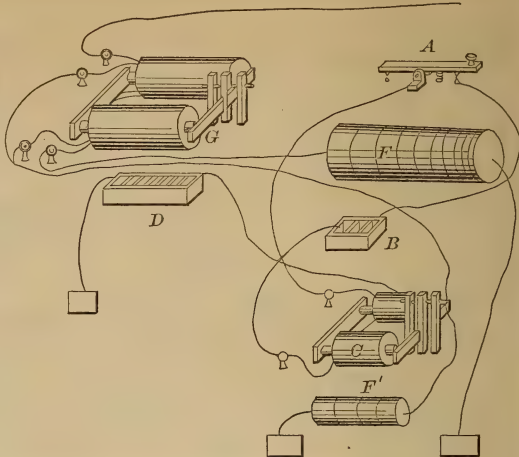
78542—R. Sandiford—*Plow Clevis.*



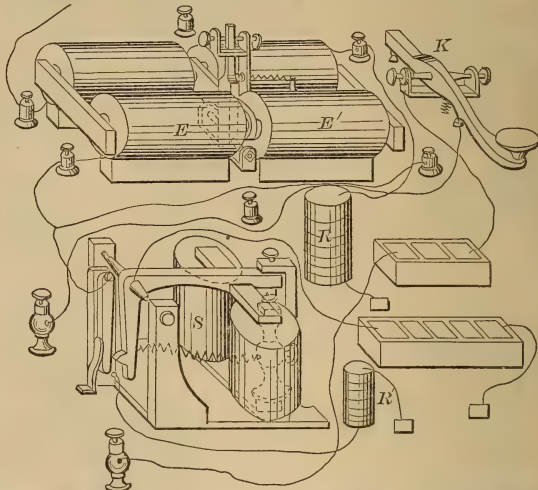
78546—E. F. Stacy—*Nipper.*



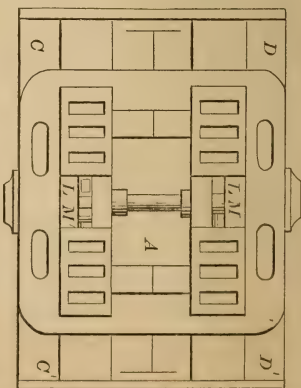
78547—J. B. Stearns—*Telegraph Apparatus.*



78548—J. B. Stearns—*Telegraph Apparatus.*



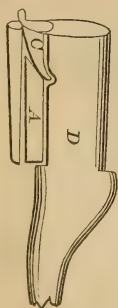
78551—J. Sutherland—*Liquid Meter.*



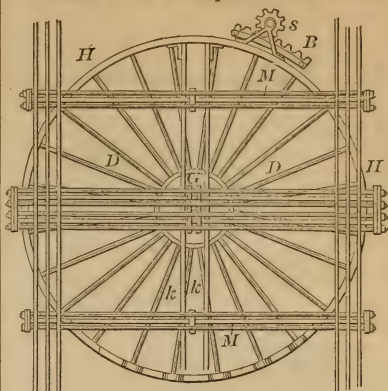
78549—A. S. Stevens—*Fruit Picker.*



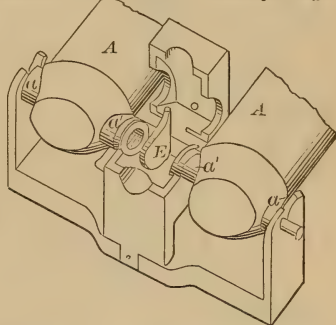
78550—B. D. Stevens—*Axe Handle.*



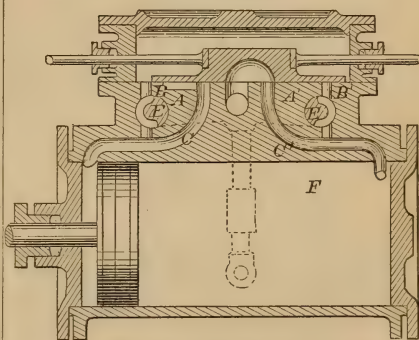
78553—J. K. Thompson—Turn Table.



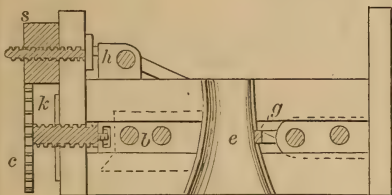
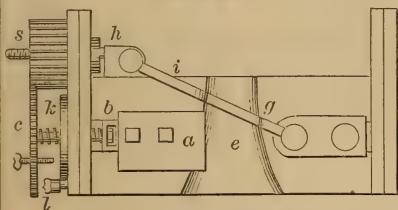
78555—J. P. Troxell—Sausage Stuffer.



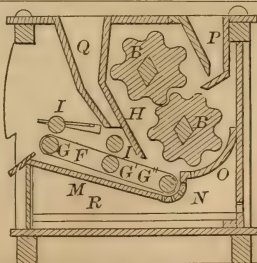
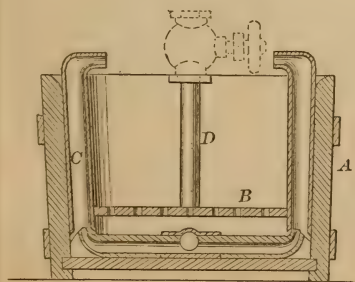
78556—G. Verry—Valve and Steam Passage.



78554—N. L. Tomlinson—For Making Tree-Nails.

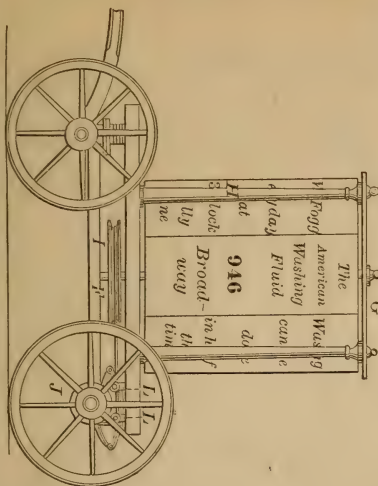


78559—M. Waterhouse—For Dyeing.

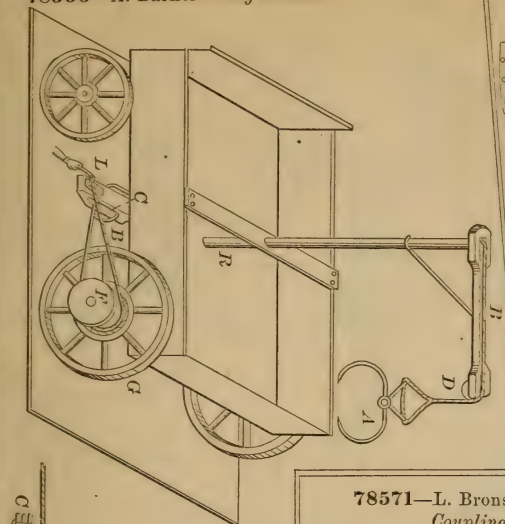


78558—J. Walton—Cider and Wine Mill.

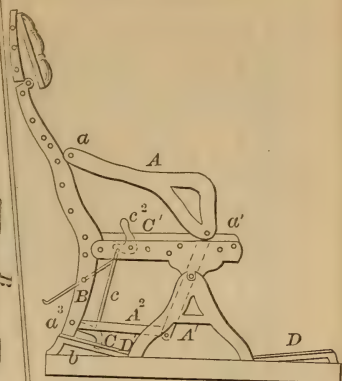
78552—G. W. Thompson—Advertising Wagon.



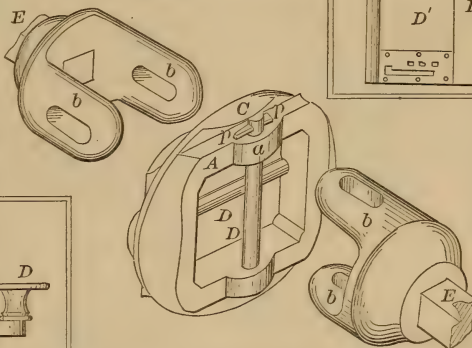
78566—A. Barker—Hay Loader.



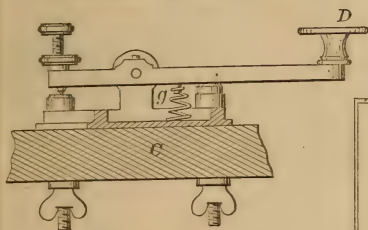
78570—W. N. Bragg—Car Seat and Chair.



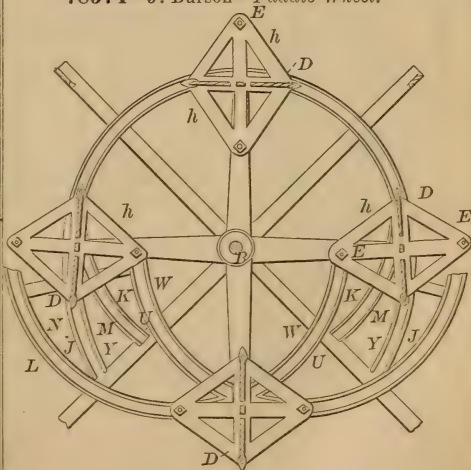
78571—L. Bronson—Shaft Coupling.



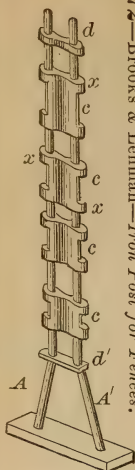
78573—W. G. Brownson—Telegraphic Repeater.



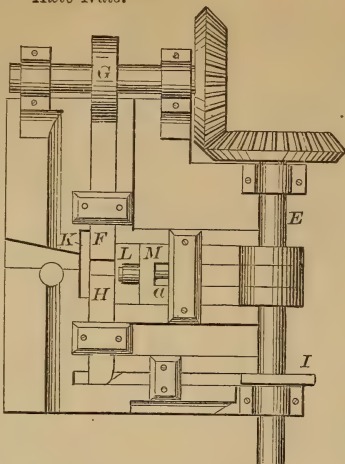
78574—J. Burson—Paddle Wheel.



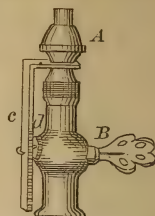
78572—Brooks & Lehman—Iron Post for Fences.



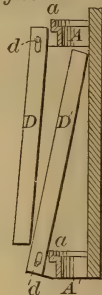
78576—Candee & Taylor—Die for Axle Nuts.



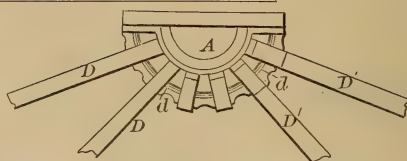
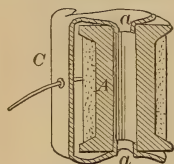
78578—S. L. Cole—Gas Burner.



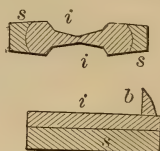
78575—J. M. Butters—Clothes Dryer.



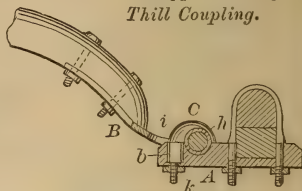
78577—W. C. Cleveland—Spool Guard.



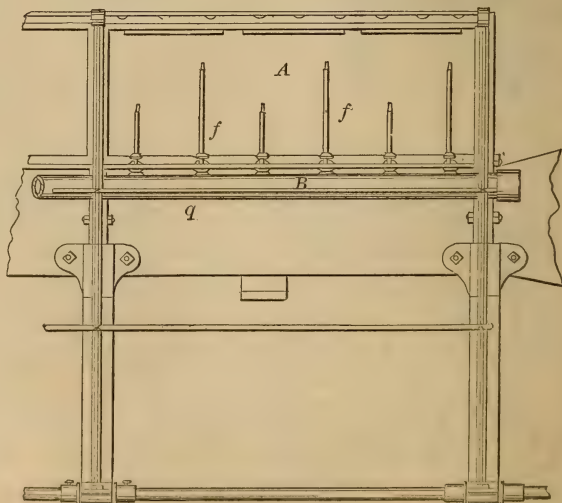
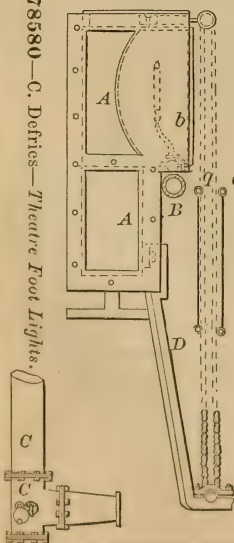
78581—T. Dooley—Toe Calk and Blank.



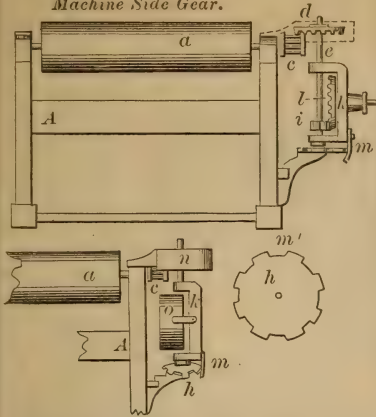
78579—M. M. Copp—Carriage Thill Coupling.



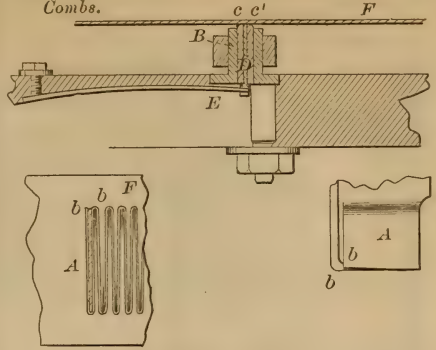
78580—C. Defries—Theatre Foot Lights.



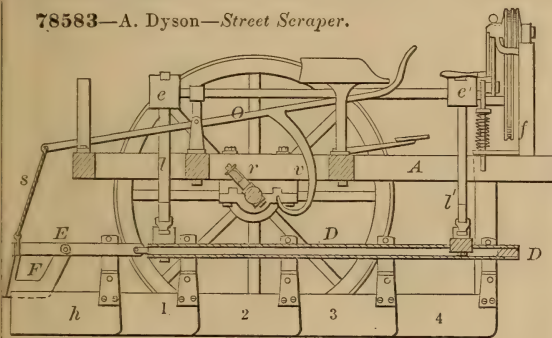
78582—J. Duchesne—Threshing Machine Side Gear.



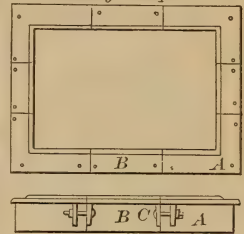
78585—C Foster—Die for the Teeth of Metallic Combs.



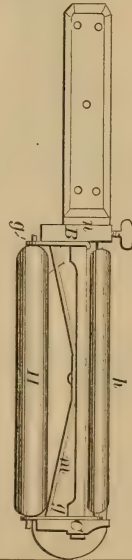
78583—A. Dyson—Street Scraper.



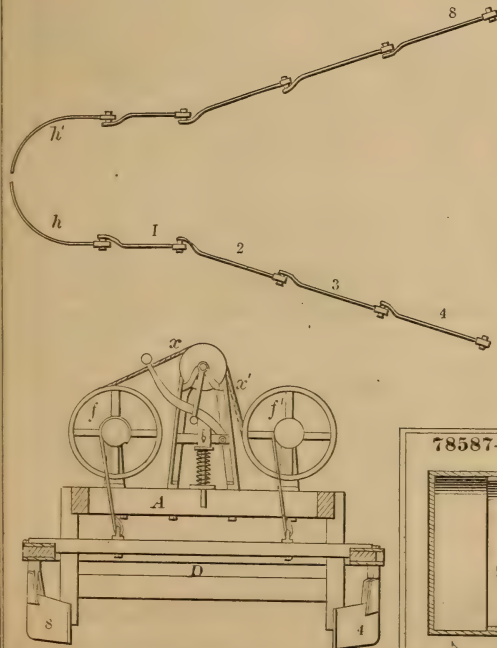
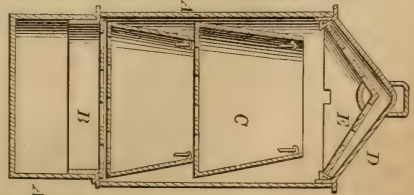
78584—C. F. Espiek—Chimney Clasp.



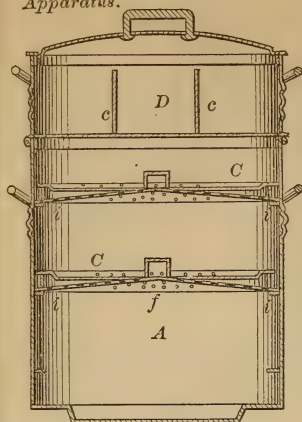
78586—J. Frisch—Bread Knife.



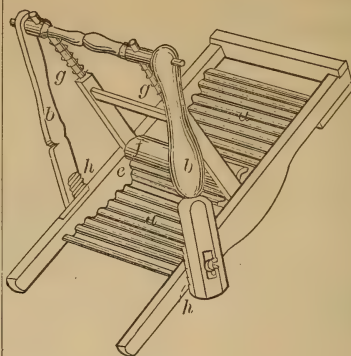
78587—C. W. Fuller—Culinary Vessel.



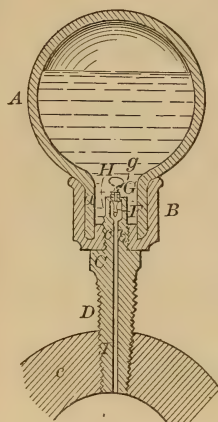
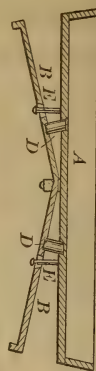
78588—Gale & Avery—Cooking Apparatus.



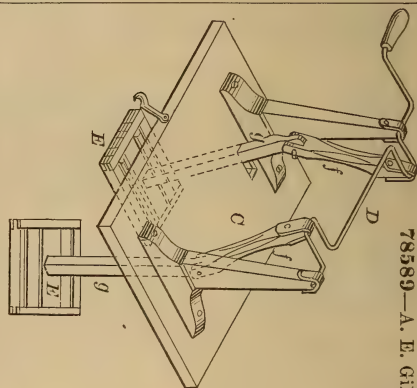
78593—S. V. Hall—Washing Machine.



78590—L. Graham—Wagon Seat.

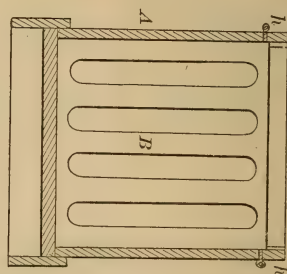
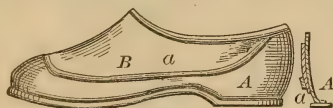


78594—Holland & Cody—Lubricator.

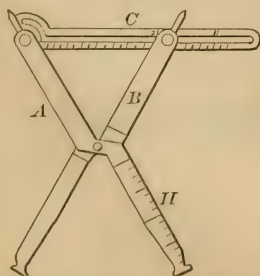


78589—A. E. Gilliam—Churn.

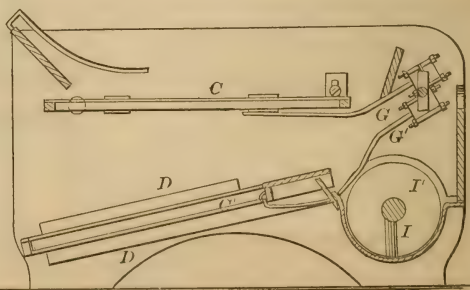
78595—H. L. Hotchkiss—Overshoe.



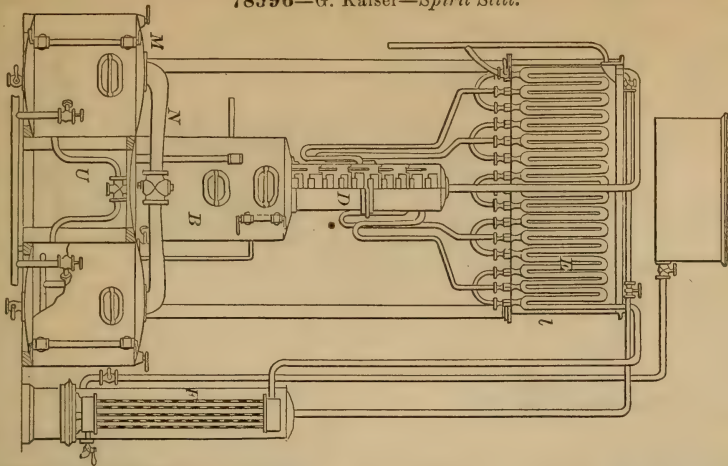
78591—C. W. Guerrant—Square and Calipers.



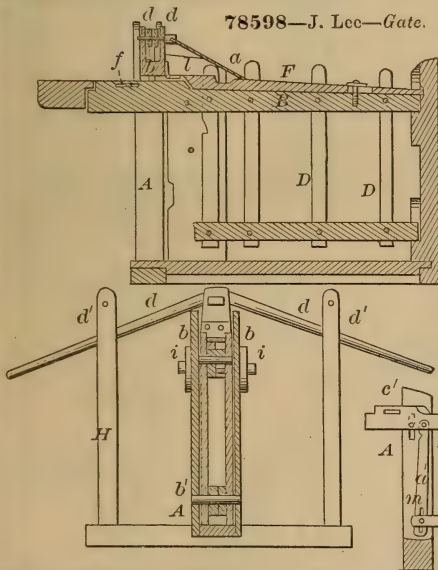
78597—M. Laufenburg—Shoe for Separators.



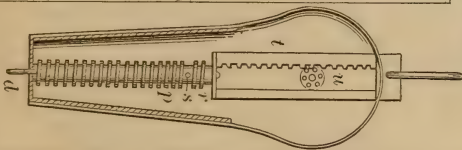
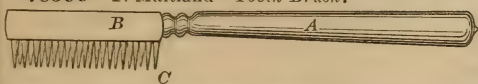
78596—G. Kaiser—*Spirit Still.*



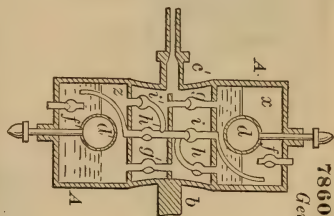
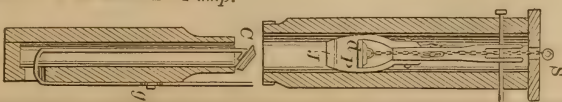
78598—J. Lec—*Gate.*



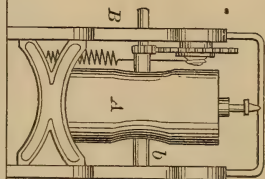
78599—T. Maitland—*Tooth Brush.*



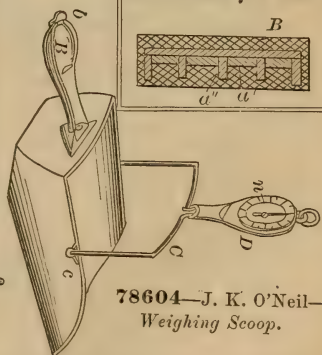
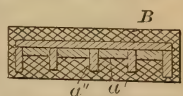
78602—C. S. McMahan—*Pump.*



78600—R. J. Malcolm—*For Generating Gas, C*

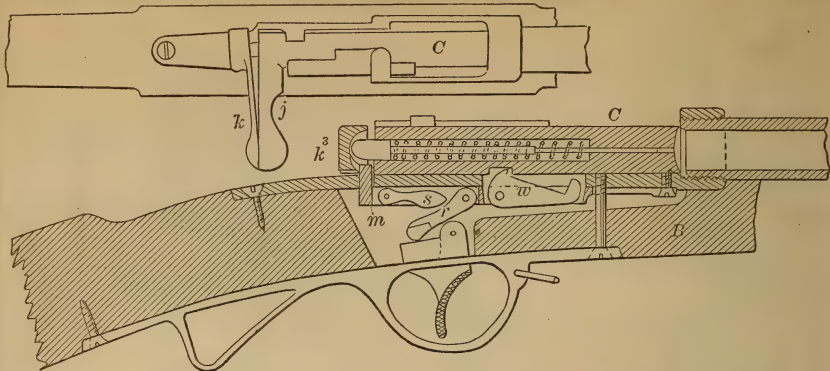


78601—I. Marsh, Jr.—*Tile or Slab for Floors.*

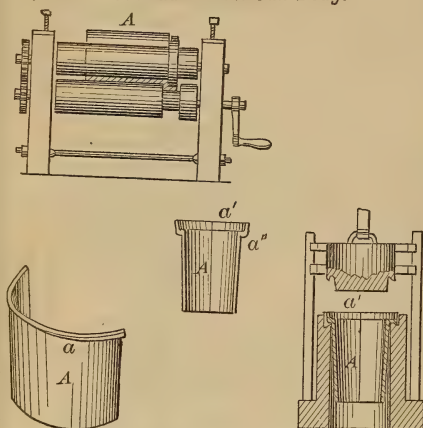


78604—J. K. O'Neil—*Weighing Scoop.*

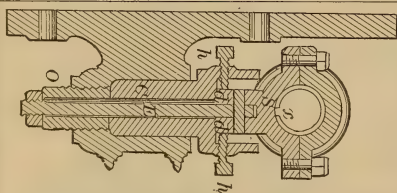
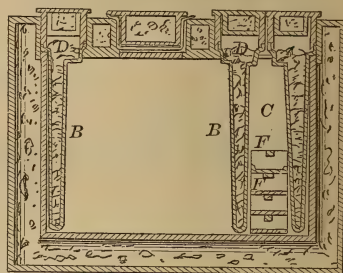
78603—Morris & W. & P. Mauser—Breech-Loading Fire Arm.



78605—J. Pfau—Fruit Can Body.



78606—E. Piper—Refrigerator.

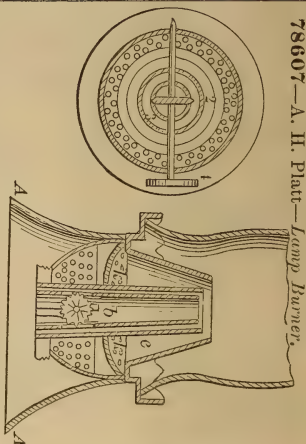
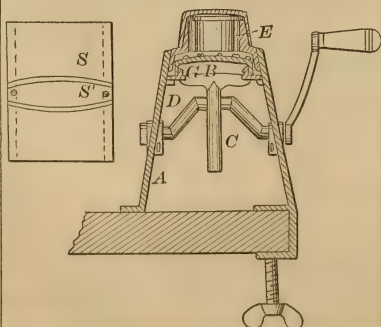


78608—J. Richards—Hanger for Shafting.



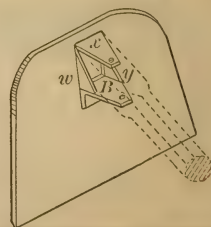
78609—B. Robinson—Carriage Wheel.

78612—Saladee & Hall—Grater and Slicer. e

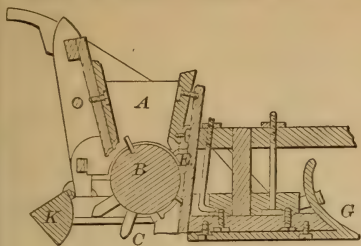


78607—A. H. Platt—Lamp Burner.

78611—Saladee & Hall—Hoe.



78614—B. Smith—*Cotton Seed Planter.*



78615—Spear & Hull—*Pruning Shears and Knife.*

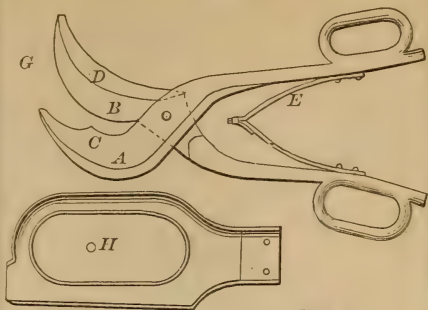
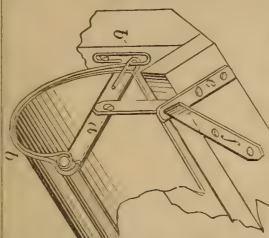


Fig. 3

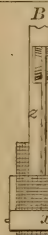
Fig. 4



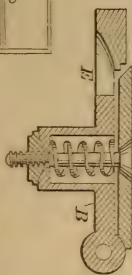
78617—W. Stine—
Eavestrough.



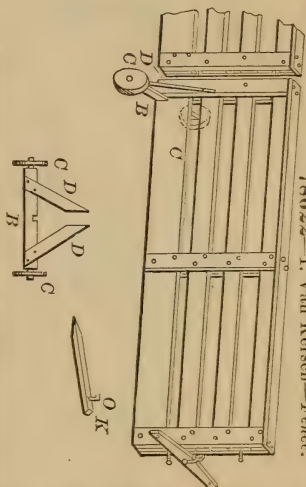
78618—D. J. Stone—
Mop Winger,



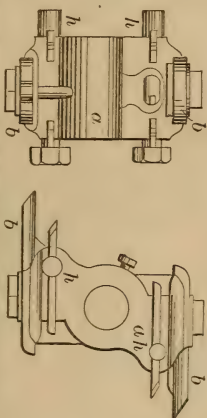
786620—S. Swan—Carpenters
Bench Hook.



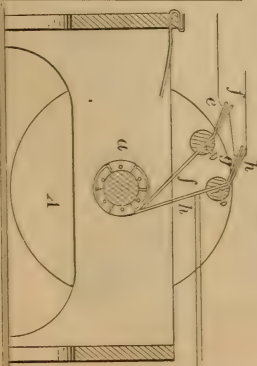
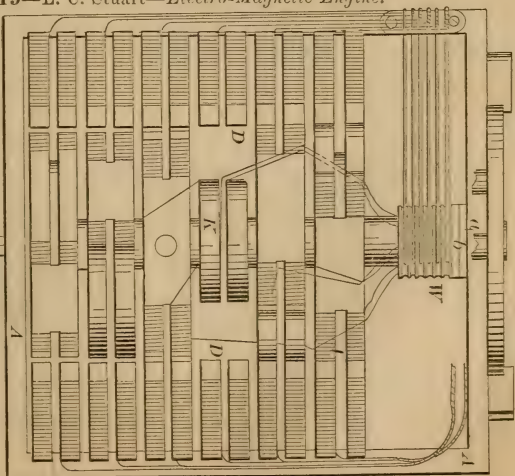
78622—I. Van Korsch—*Fence.*

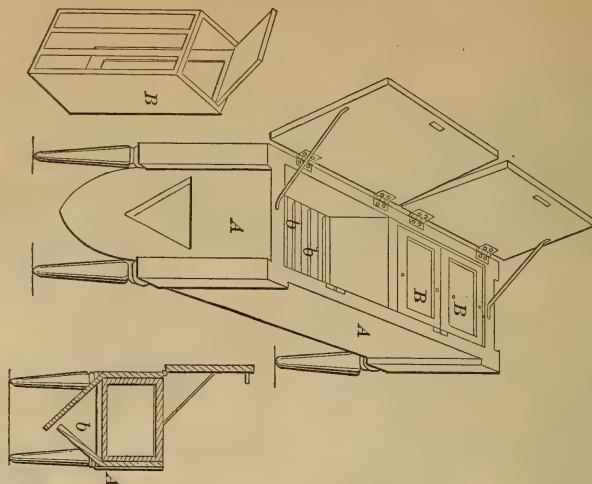
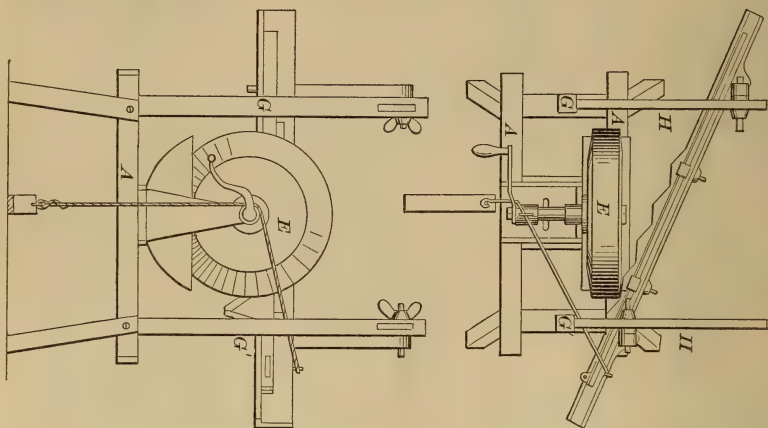
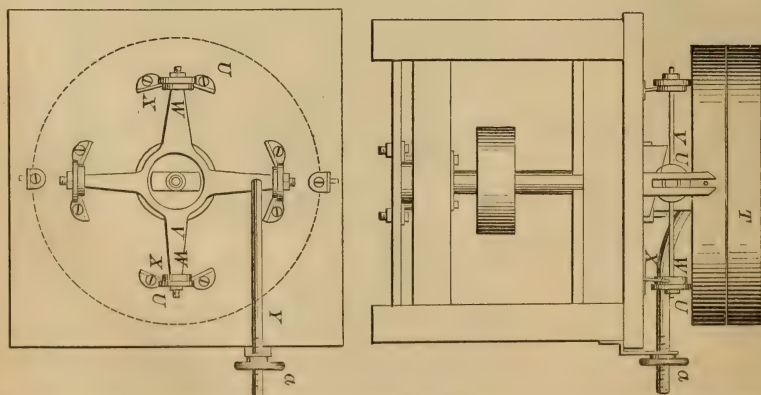


78616—A. T. Stearns—*Planing Machine.*

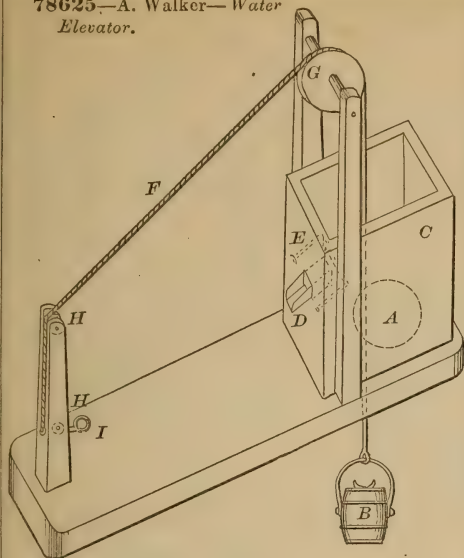


78619—L. C. Stuart—*Electro-Magnetic Engine.*

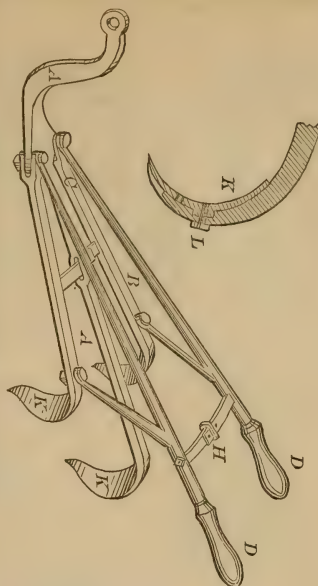


78621—H. Fuller—*Beehive*.78623—S. D. Wackman—*For Grinding Mowing Machine Cutters*.78624—A. H. Wagner—*Grinding Mill*.

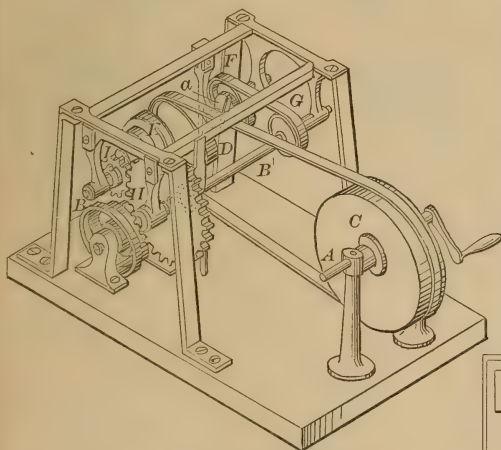
78625.—A. Walker—Water Elevator.



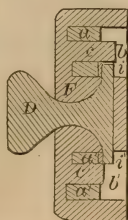
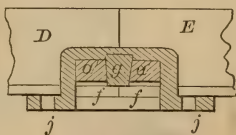
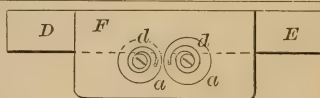
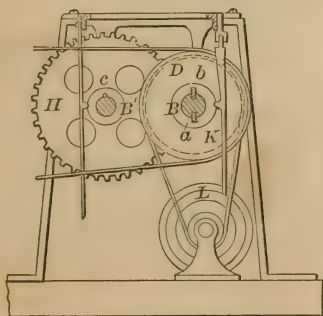
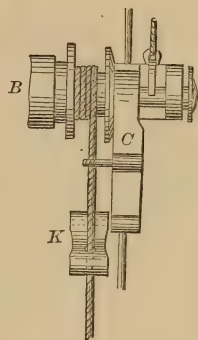
78626.—W. Walton—Cultivator.



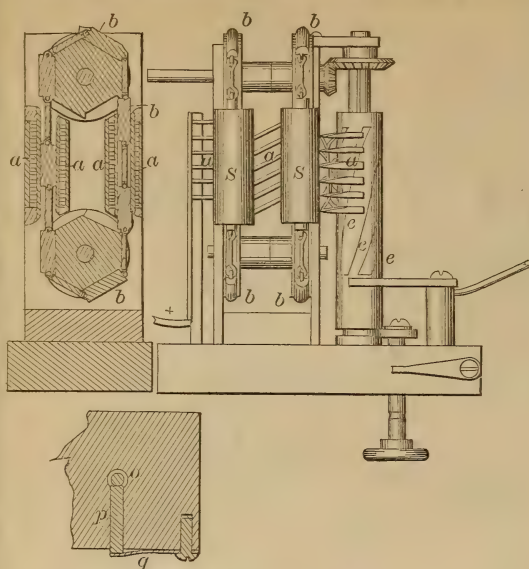
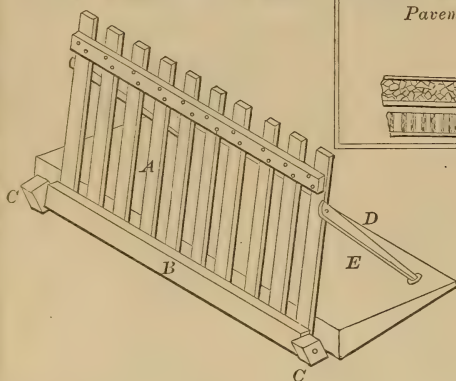
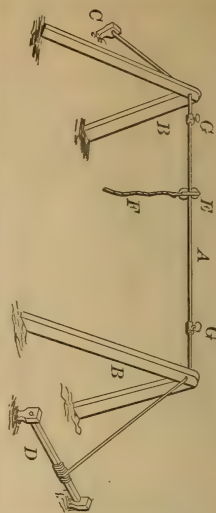
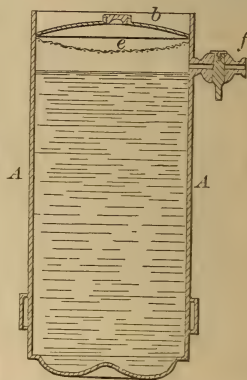
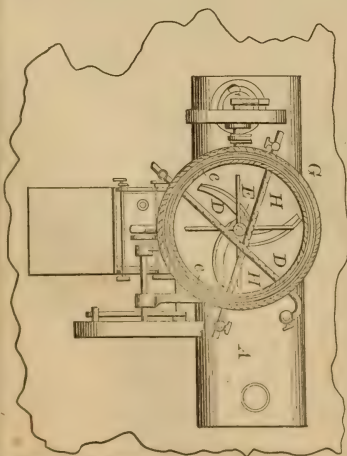
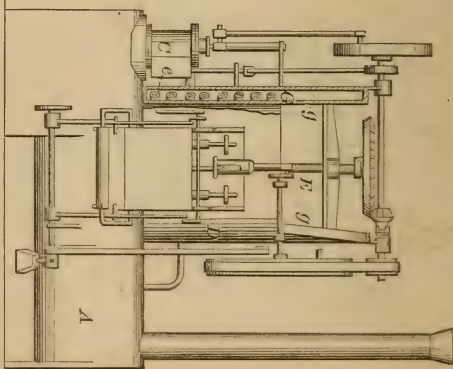
78627.—H. C. Weibe—Counter Shafting.



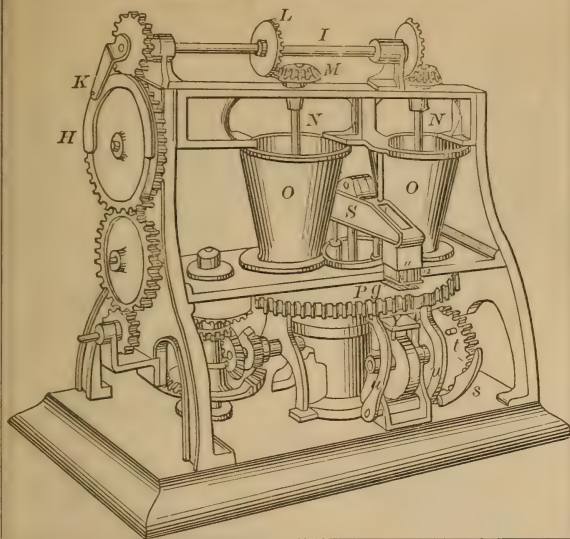
78628.—White & Meeker—Curtain
Picture.



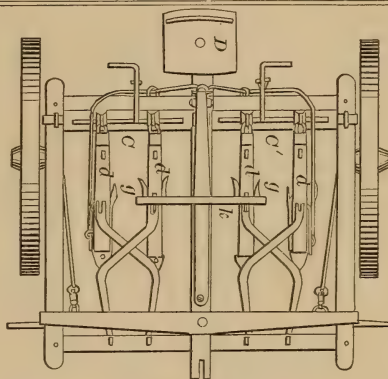
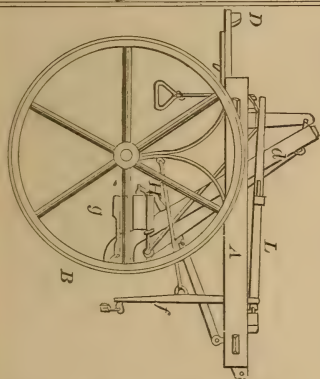
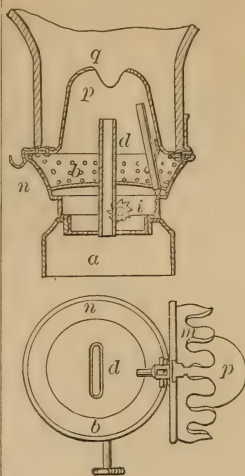
78630.—W. Wickersham—Railway
Rail Chair.

78629—W. Wickersham—*Electro-Magnetic Engine.*78633—V. Wood—*Flood Fence.*78635—A. Wyckoff—*Pavement.*78631—J. Wilkinson—*Securing Cattle.*78636—W. Mullally—*For Extinguishing Fires.*78632—C. A. Winn—*Brick Machine.*

78634—Wrightington & Rider—Brick Machine.

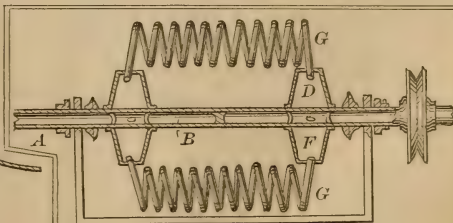
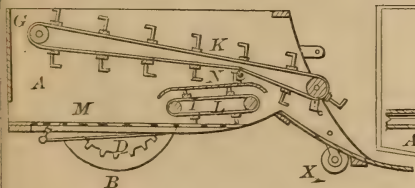
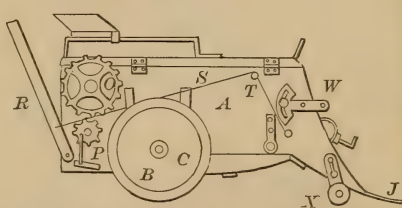
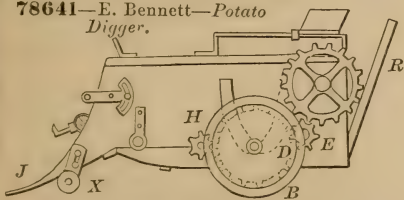


78637—L. J. Atwood—Lamp Burner.



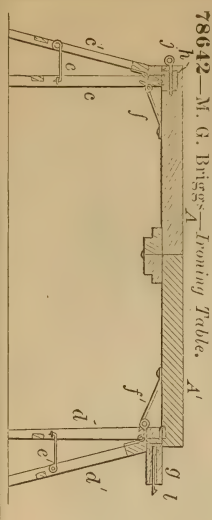
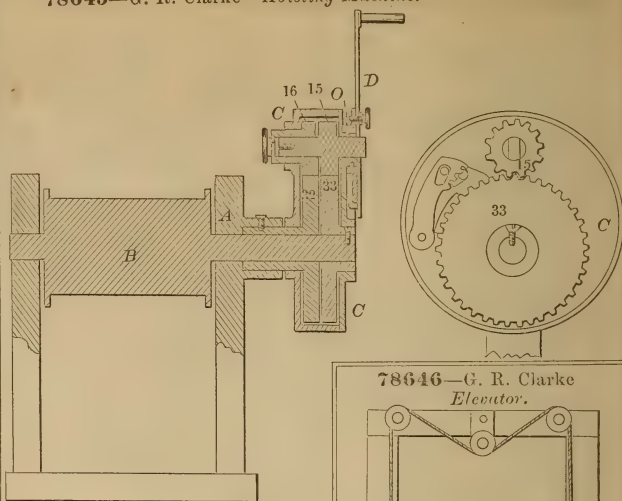
78638—G. C. Avery—Plover and Plucker.

78641—E. Bennett—Potato Digger.



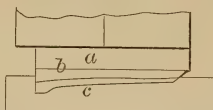
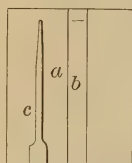
78639—P. J. Badoux—Evaporator.

78645—G. R. Clarke—Hoisting Machine.

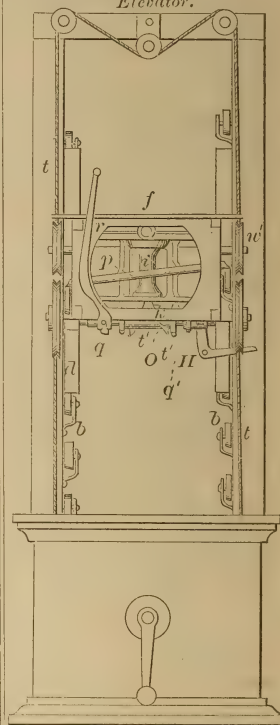


78642—M. G. Briggs—Ironing Table.

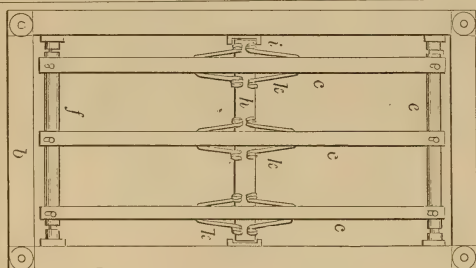
78644—S. E. Chase—Making Horse Shoe Nails.



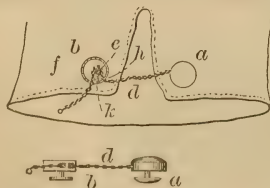
78646—G. R. Clarke—Elevator.



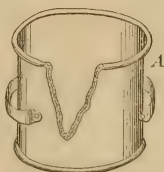
78647—J. C. Cline—Bedstead.



78649—I. Cole—Glove Fastening.



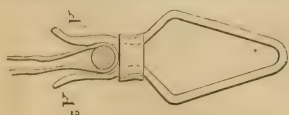
78643—L. Chapin—Cheese Hoop.



78648—I. F. Colby—Coffee Mill.



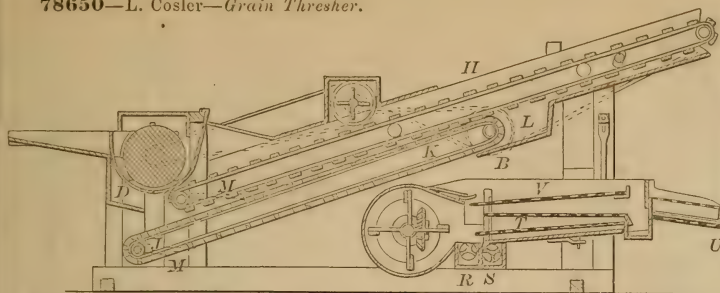
78651—J. O. Couch—Clothes Pin.



78652—J. W. Craig—Bit Brace.



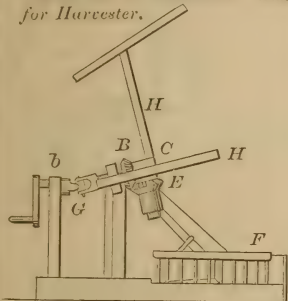
78650—L. Cosler—Grain Thresher.



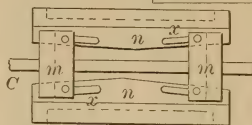
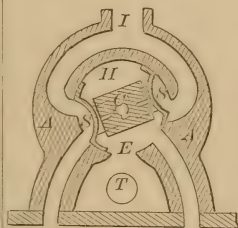
78653—P. Donoghue—Attaching Handles to Cross Cut Saws.



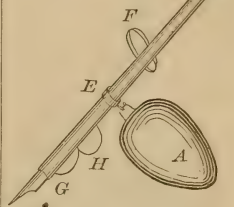
78651—J. C. Durborow—Rake for Harvester.



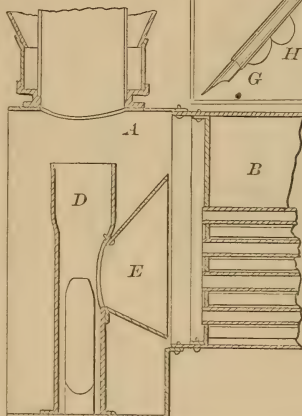
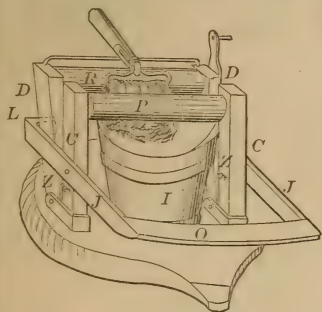
78656—Everitt & Cook—Oscillating Valve.



78655—H. G. Eastman—Pen Holder.

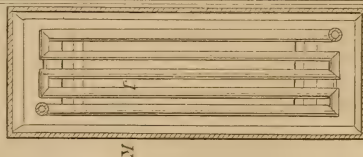
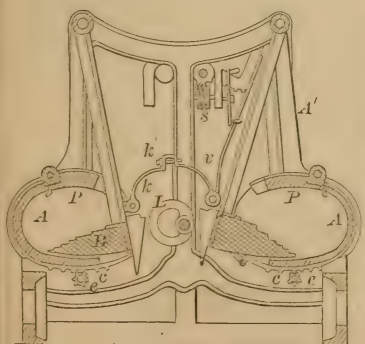


78657—J. Filkins—Mop Wringer.

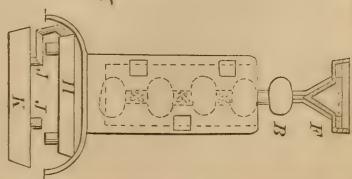


7865—W. G. Freeman—Petty Pipe for Locomotives.

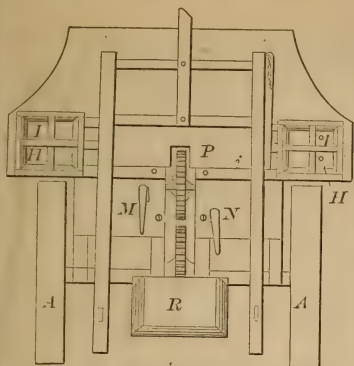
78660—E. Gessner—Falling Mill.



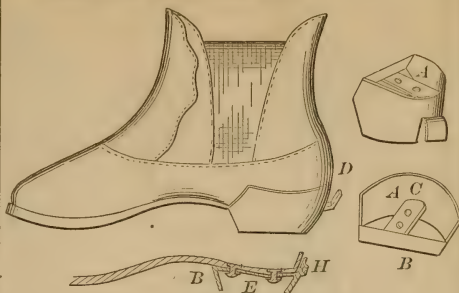
78659—Fuchs & Luigart—Beer Cooler.



78666—A. Hays—Seed Planter.



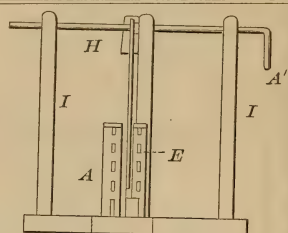
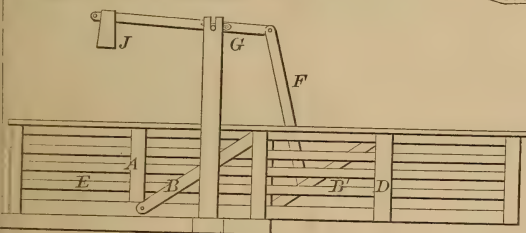
78667—R. Herr—Boot Heel.



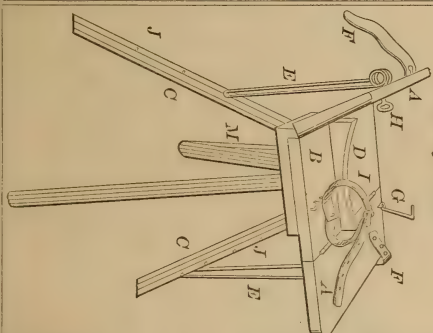
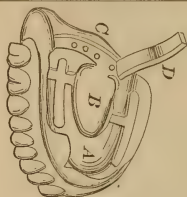
78668—Huot & Baudouin—Hat.



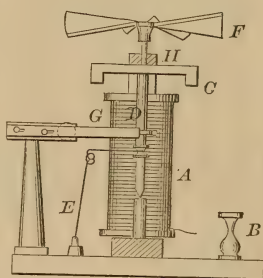
78670—T. W. Johnson—Farm Gate.



78669—
D. S. Hutcheson—
Plate for Artificial
Teeth.

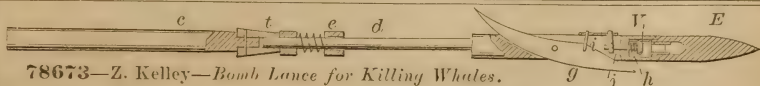
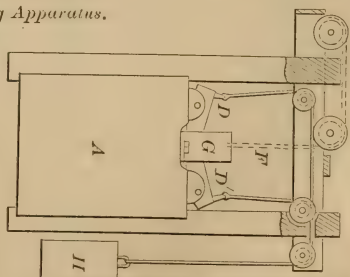
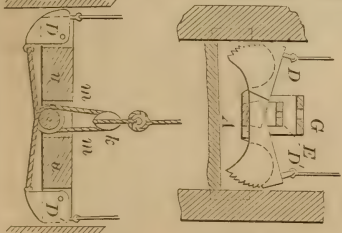


78671—W. C. Jones—Sheep
Shearing Table.

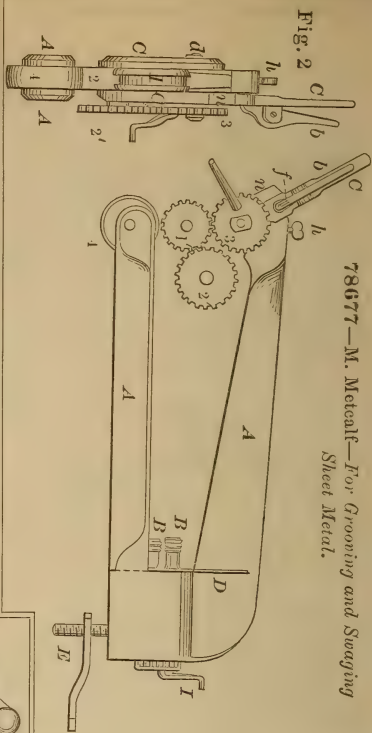


78674—C. T. Mason—Electric
Fan for Lamps.

78675—J. V. & W. H. Merrick—Hoisting Apparatus.

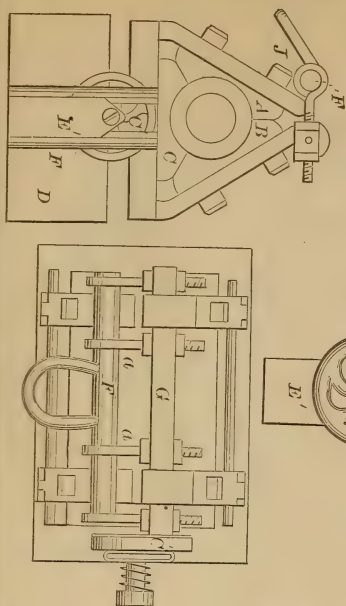


78673—Z. Kelley—Bomb Lance for Killing Whales.

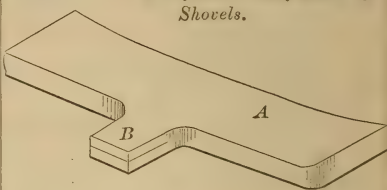


78677—M. Metcalf—For Grooving and Sweaging Sheet Metal.

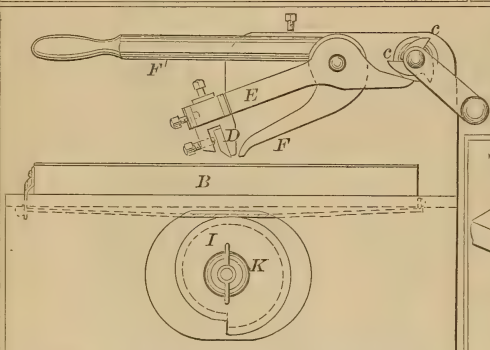
78676—E. H. & H. E. Merrill—For Making Bottles of Clay.



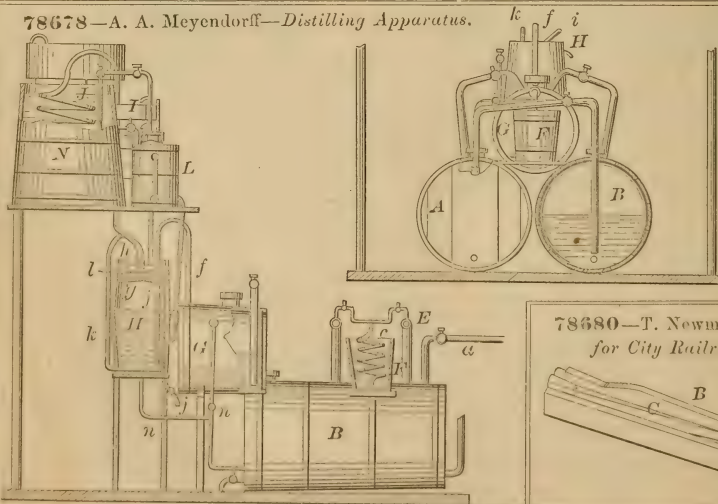
78679—H. M. Myers—Manufacture of Shovels.



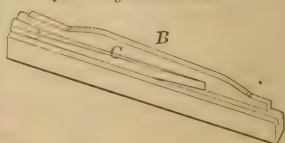
78681—W. T. Nicholson—For Cutting Files.



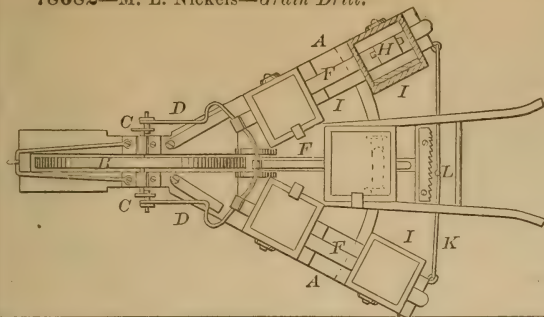
78678—A. A. Meyendorff—Distilling Apparatus.



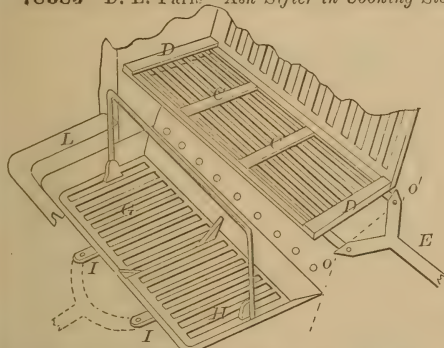
78680—T. Newman—Switch for City Railroads.



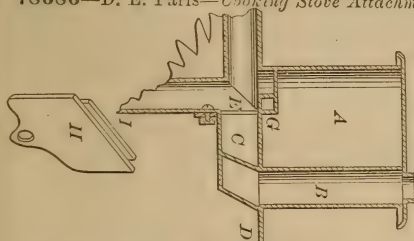
78682—M. L. Nickels—*Grain Drill.*



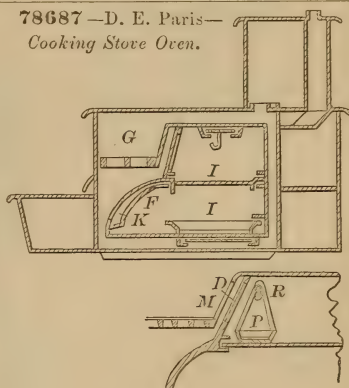
78685—D. E. Paris—*Ash Sifter in Cooking Stoves.*



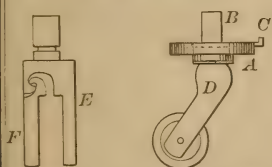
78686—D. E. Paris—*Cooking Stove Attachment.*



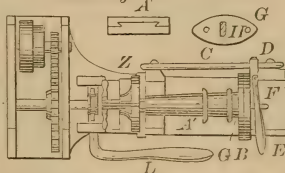
78687—D. E. Paris—*Cooking Stove Oven.*



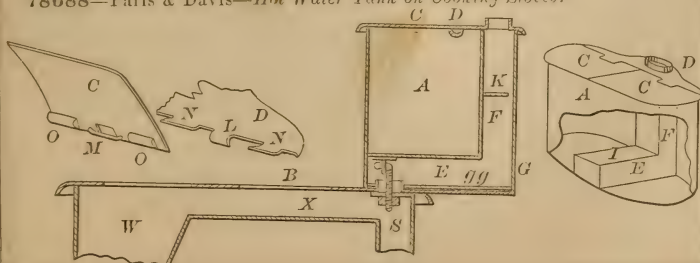
78690—J. W. Pugh—*Caster.*



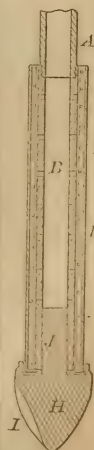
78684—W. W. Norton—*For Threading Thimble Skeins.*



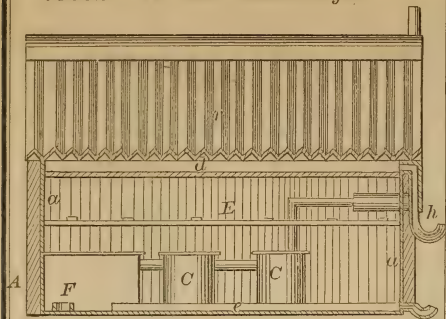
78688—Paris & Davis—*Hot Water Tank on Cooking Stoves.*



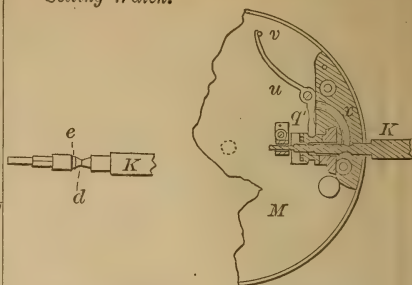
78689—A. B. Parsons—*Tube Well.*



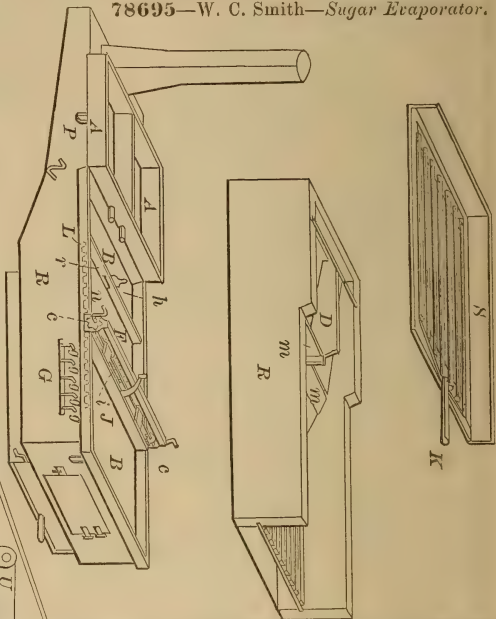
78692—J. H. Rac—Lumber Dryer.



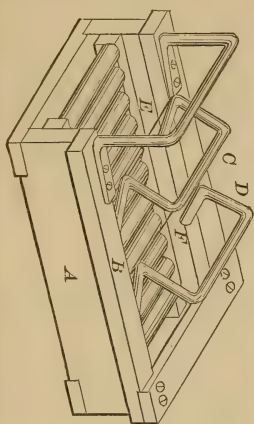
78693—Rice & Gerry—Stem Winding and Setting Watch.



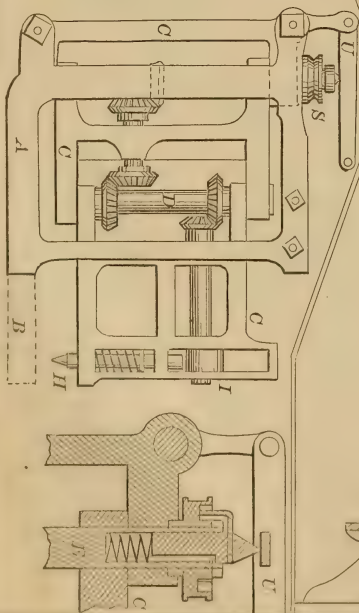
78695—W. C. Smith—Sugar Evaporator.



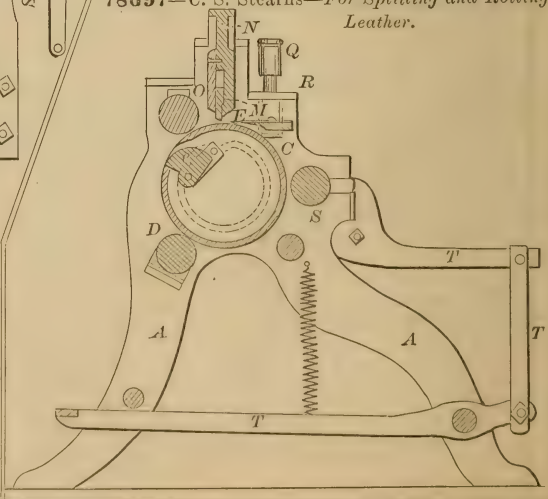
78694—J. Shellabarger—Tile Cutting Machine.



78696—C. S. Stearns—For Cutting Leather.



78697—C. S. Stearns—For Splitting and Rolling Leather.



78698—A. Tower—Pen and Pencil Holder.

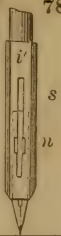
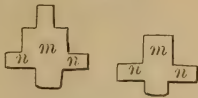


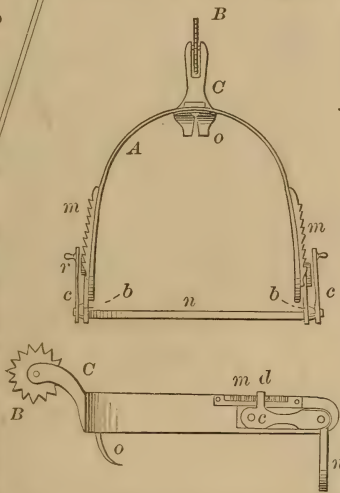
Fig. 1 b



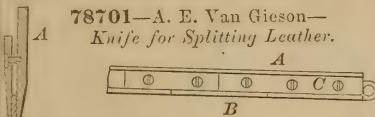
78699—J. Tyzick—Nail Extractor.



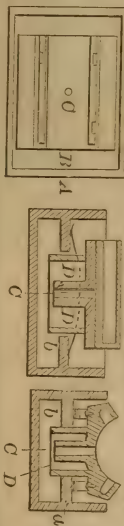
78703—S. Wehrly—Spur.



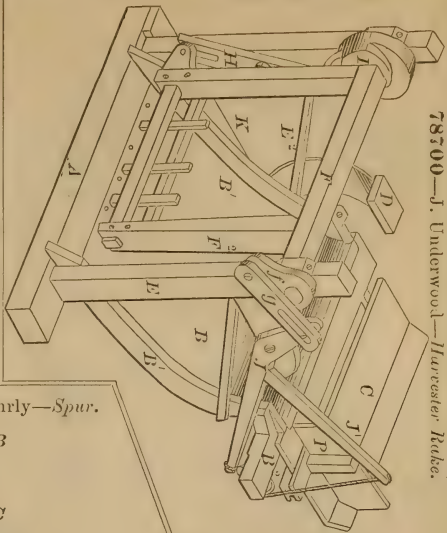
78701—A. E. Van Gieson—Knife for Splitting Leather.



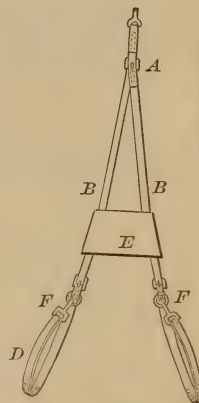
78704—L. P. Wopple—Lubricating Journal of Car Shafts.



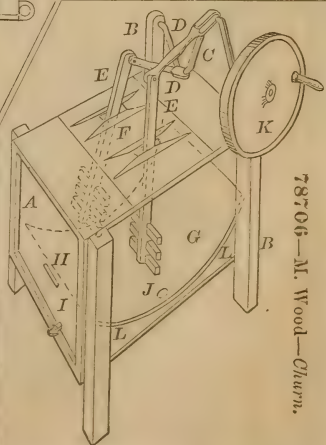
78700—J. Underwood—Horsestee Ridge.



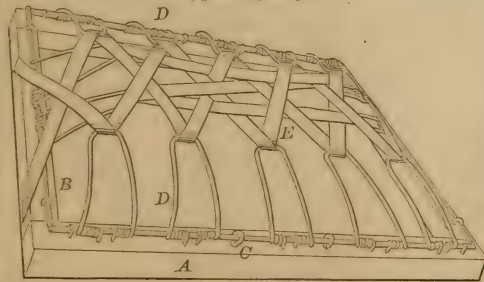
78702—A. V. W. Van Vechten—Head and Shoulder Rest.



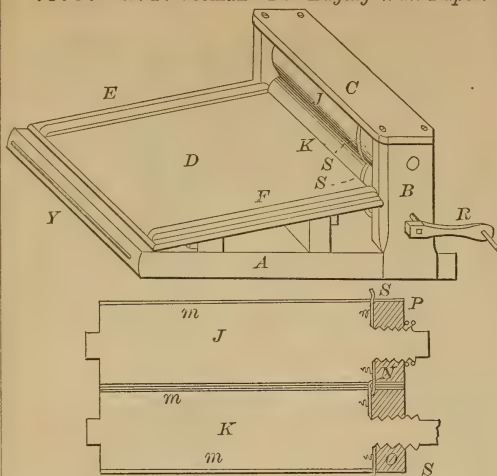
78706—M. Wood—Churn.



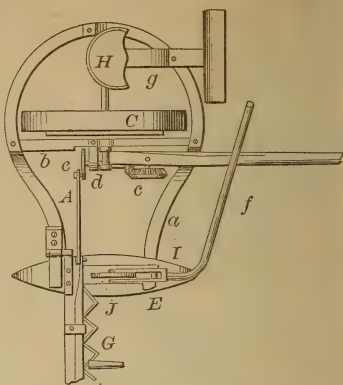
78705—J. L. Whipple—Spring Seat.



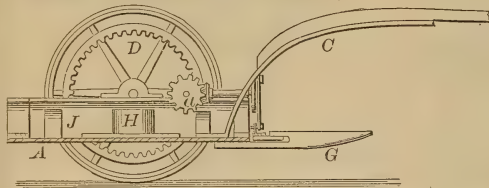
78707—W. P. Yeoman—For Edging Wall Paper.



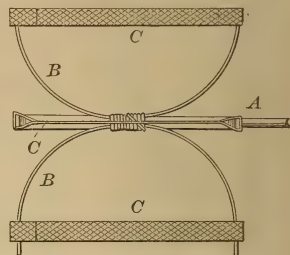
78708—G. W. N. Yost—Harvester.



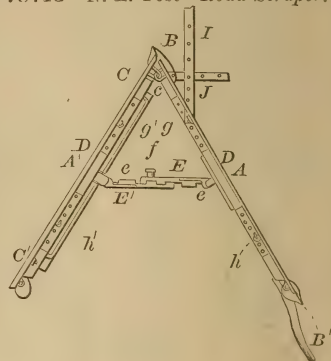
78709—G. W. N. Yost—Harvester.



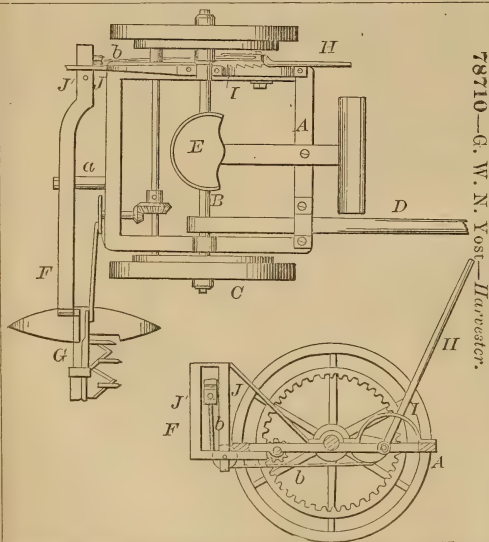
78711—G. W. N. Yost—Harvester Reel.



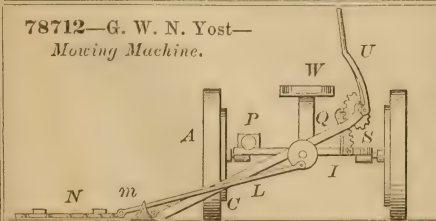
78713—N. E. Yost—Road Scraper.



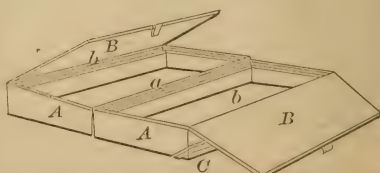
78710—G. W. N. Yost—Harvester.



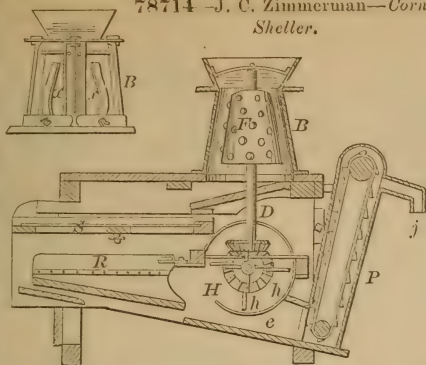
78712—G. W. N. Yost—Moving Machine.



78715—W. Armour—Paper Box.



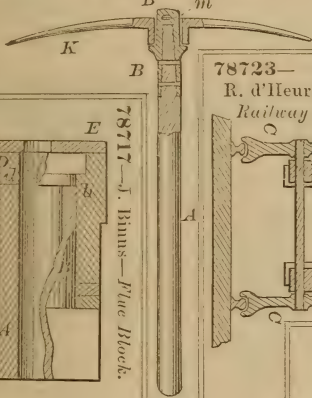
78714—J. C. Zimmerman—*Corn Sheller.*



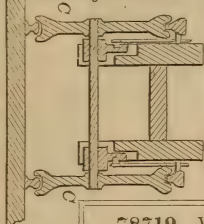
78716—B. Arnold—*Fishing Net.*



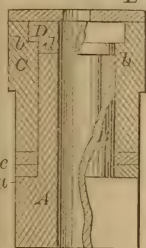
78718—W. Blay—*Pick Handle.*



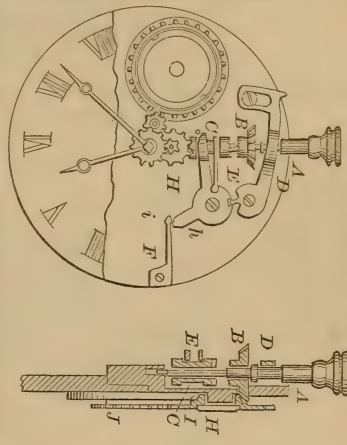
78723—
R. d'Heureuse—
Railway Brake.



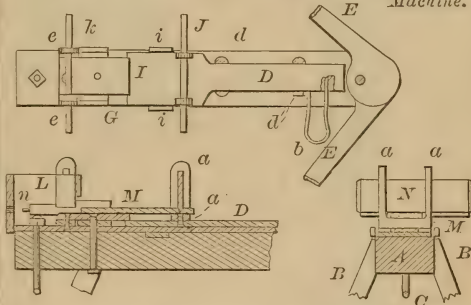
78717—J. Binns—*Plac Block.*



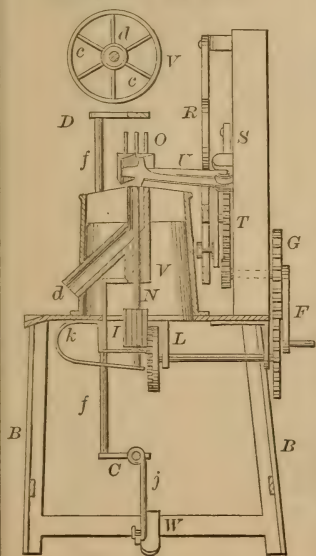
78720—E. Châtelain—*Watch.*



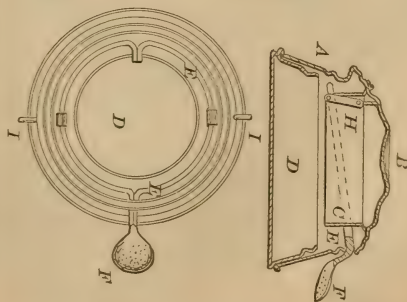
78719—W. Britton—*Tire Shrinking and Punching Machine.*



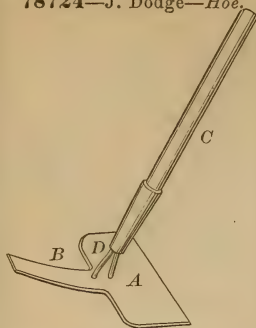
78721—A. Clark—*Apple Parer, Corer and Slicer.*



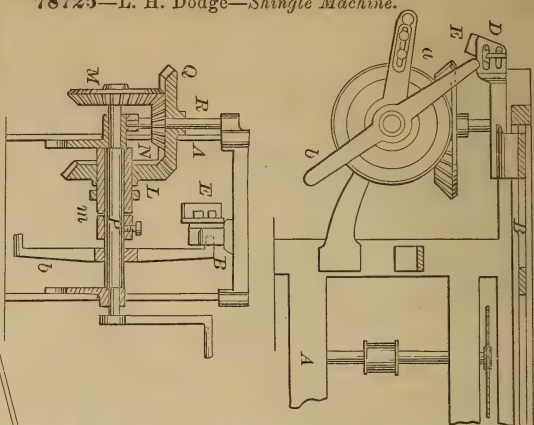
78722—E. Detwiler—*Spittoon.*



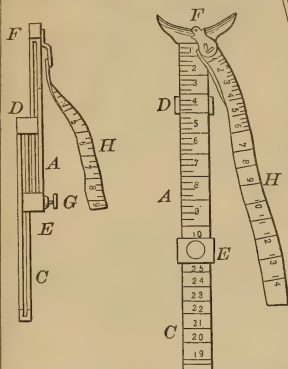
78724—J. Dodge—Hoe.



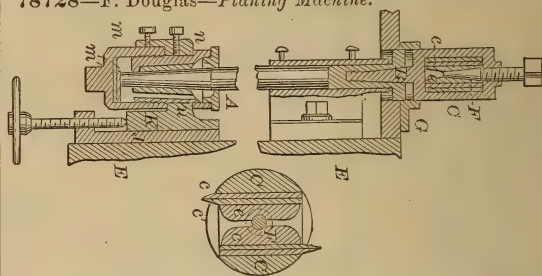
78725—L. H. Dodge—Shingle Machine.



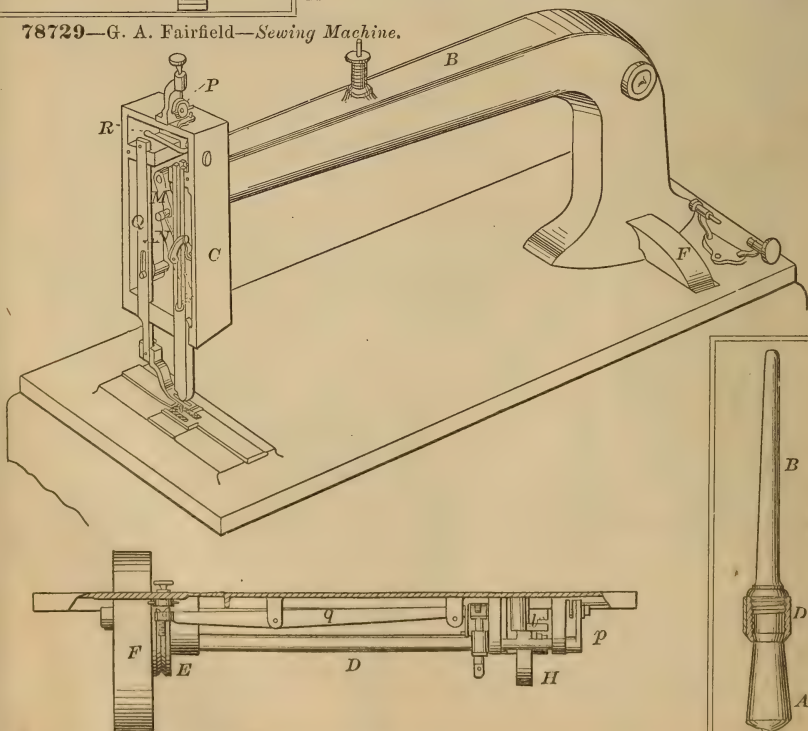
78726—P. W. Dolan—Rule.



78728—F. Douglas—Planing Machine.



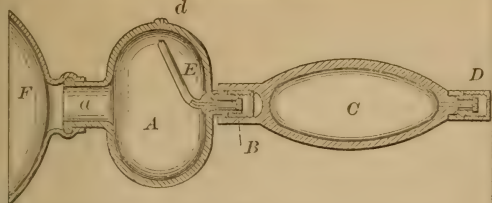
78729—G. A. Fairfield—Sewing Machine.



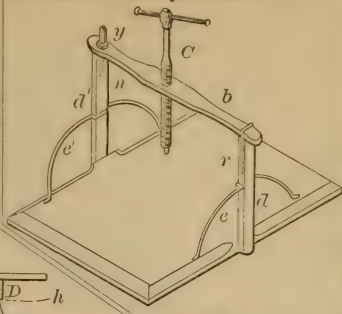
78727—J. F. W. Dorman—Brush.



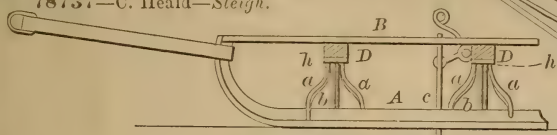
78731—W. T. Fry—*Breast Pump.*



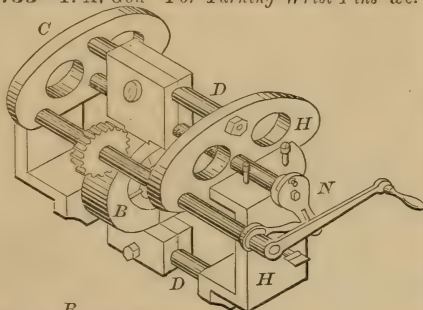
78738—H. Henley—*Press.*



78737—C. Heald—*Steigh.*



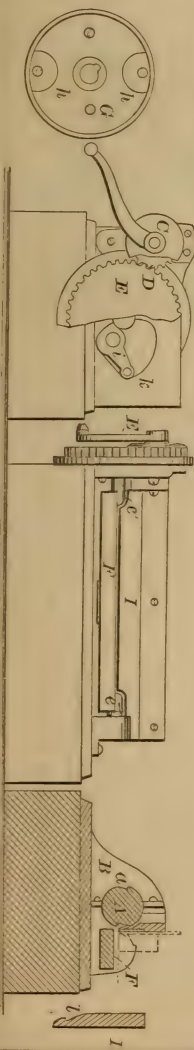
78733—T. A. Goff—*For Turning Wrist Pins &c.*



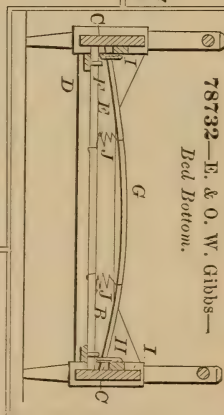
78736—L. Hays—*Pull Bullet.*



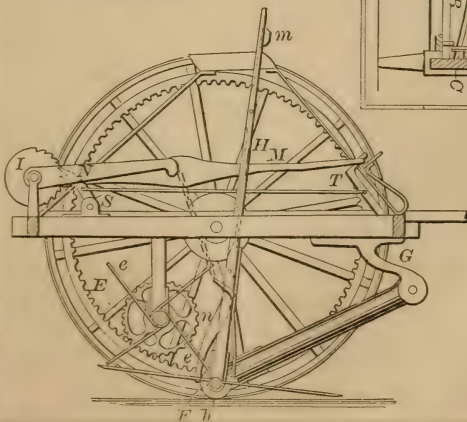
78734—G. H. Goldsmith—*Sheet Metal Folding Machine.*

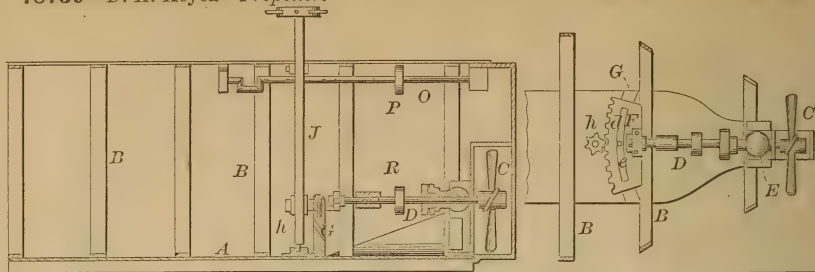
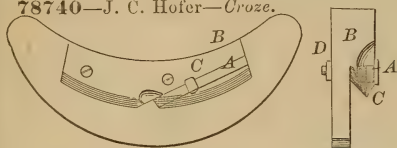
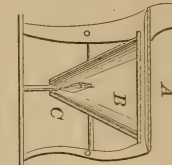
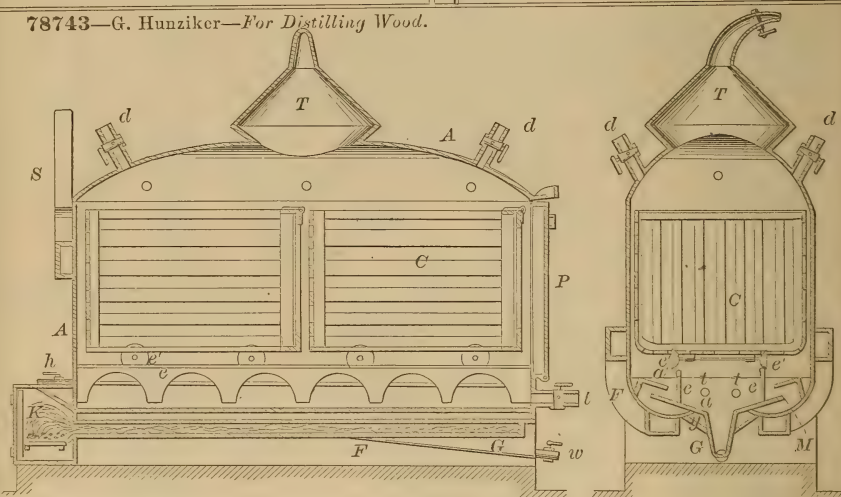
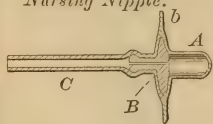
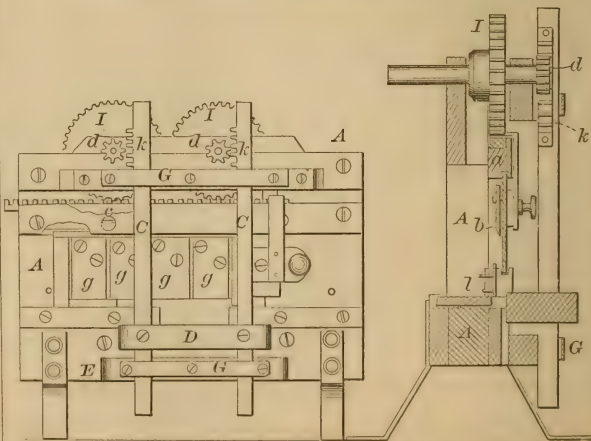
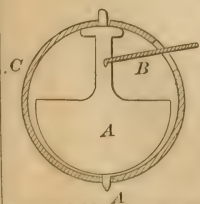


78732—E. & O. W. Gibbs—*Bed Bottom.*

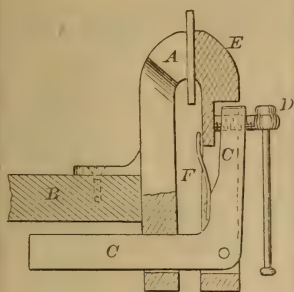


78735—E. R. Hall—*Horse Hay Rake.*

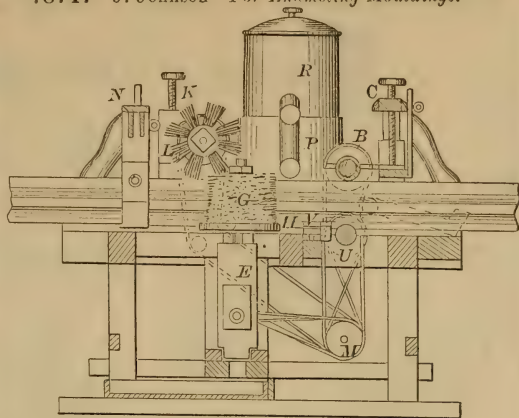


78739—D. H. Heyen—*Propeller.*78740—J. C. Hofer—*Croze.*78742—C. S. Hunt—*Heating Device for Chairs, &c.*78743—G. Hunziker—*For Distilling Wood.*78741—F. H. Holton—*Nursing Nipple.*78744—L. Jennings—*Shingle Machine.*78745—C. L. Johnson—*Top.*

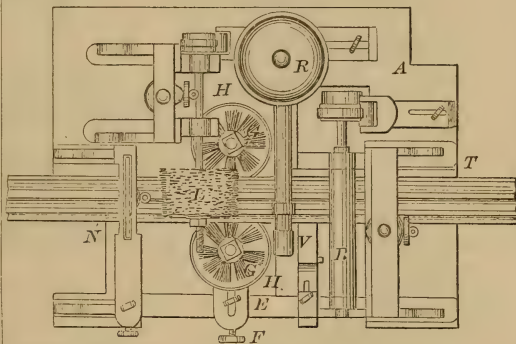
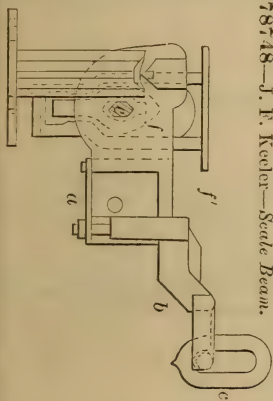
78746—F. B. Johnson—Vise.



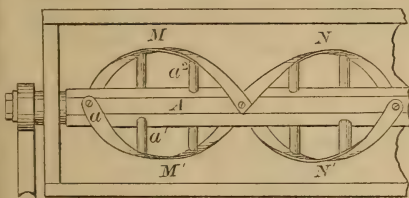
78747—J. Johnson—For Enameling Mouldings.



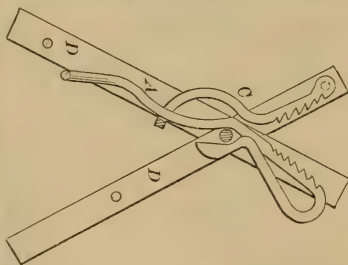
78748—J. F. Keeler—Scale Beam.



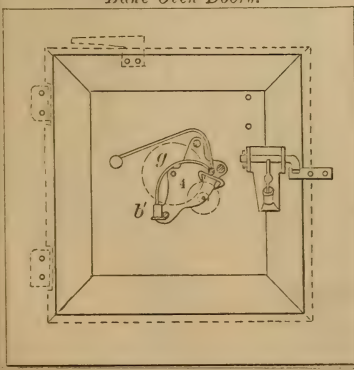
78749—J. D. Kellogg, Jr.—Churn Dasher.



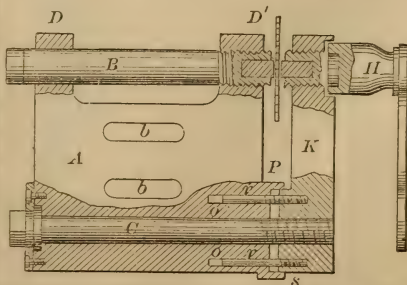
78750—F. W. Mansfield—Saw Horse.



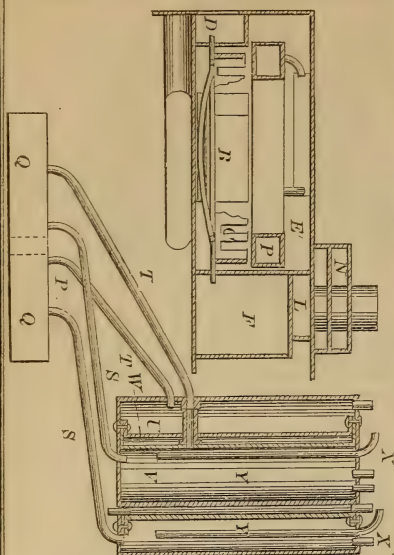
78754—S. Morton—Attachment for Bake Oven Doors.



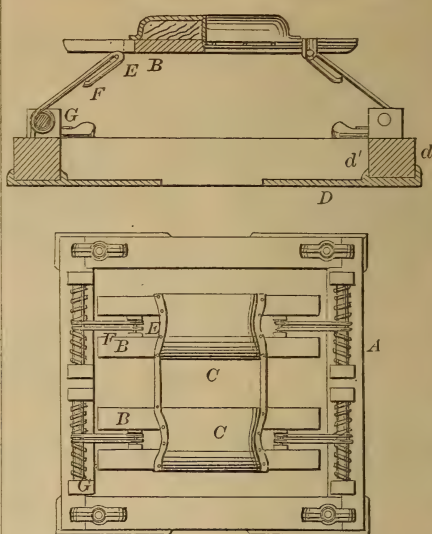
78752—T. Milner—Circular Saw Guide.



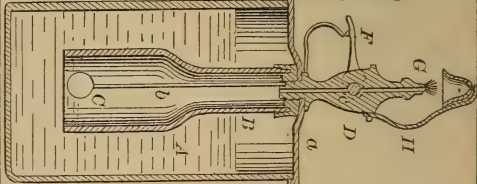
78751—J. McCloskey—Cooking Range.



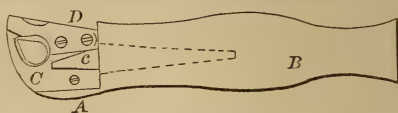
78753—Moore & De Bow—Bed Bottom.



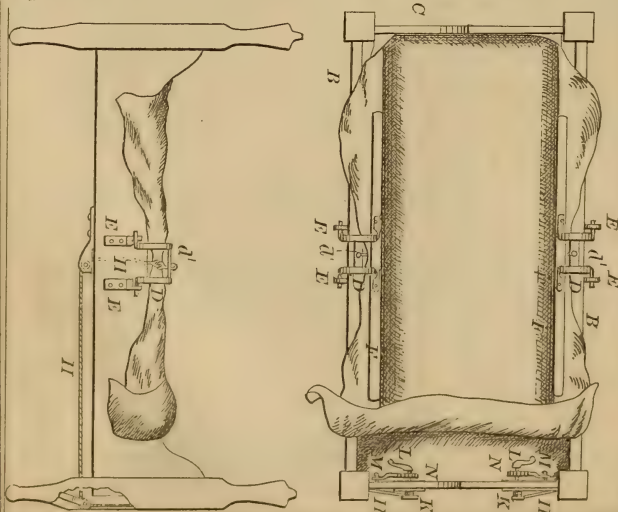
78755—G. Müller—Self-Lighting Lamp.



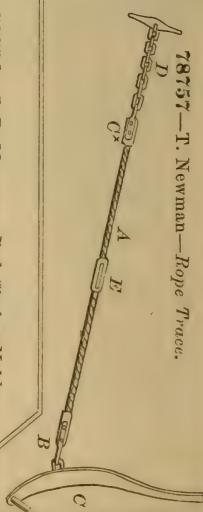
78758—M. Packard—Self-Edge Plane.



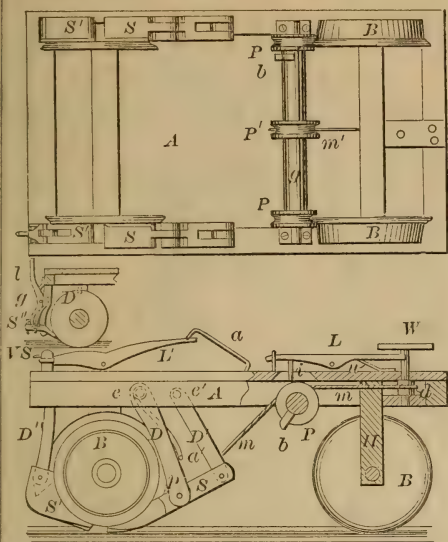
78756—J. B. Munson—Bed Clothes Holder.



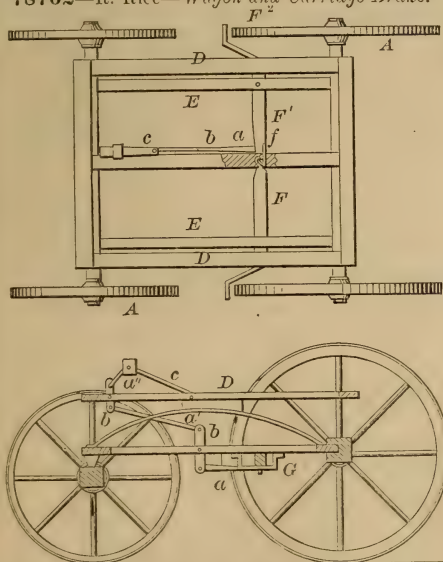
78757—T. Newman—Rope Truss.



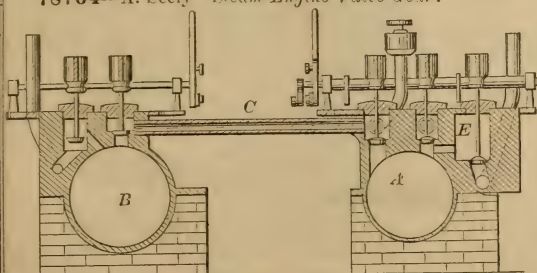
78759—W. T. Parsons—Car Brake.



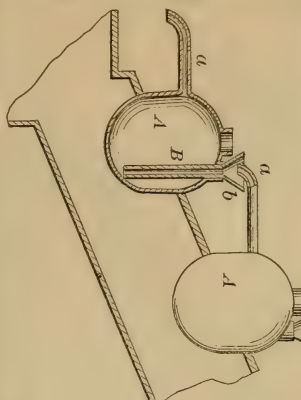
78762—R. Rice—Wagon and Carriage Brake.



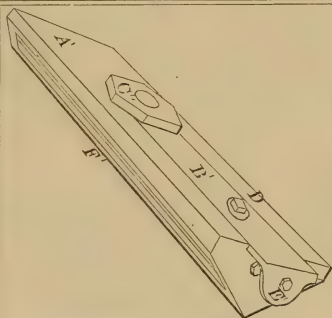
78764—A. Seely—Steam Engine Valve Gear.



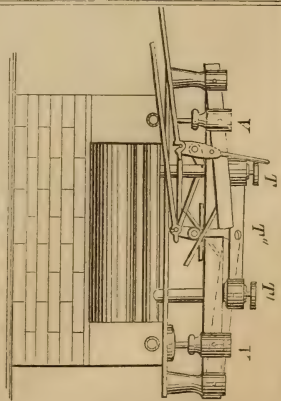
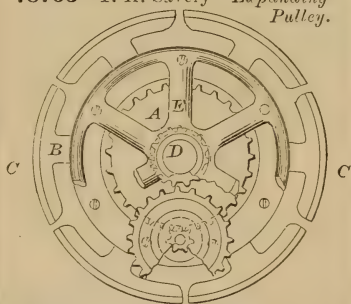
78760—Perrin & Saunders—Heort for Concentrating Sulphuric Acid.



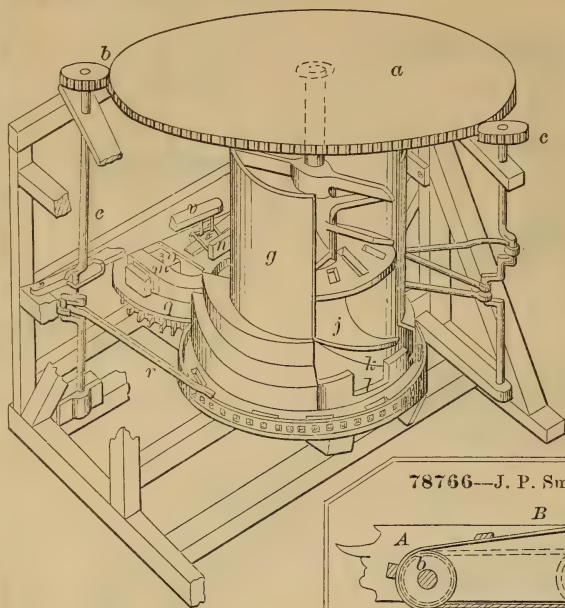
78761—A. H. Rhodes—Gib.



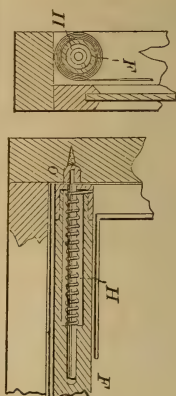
78763—T. H. Savery—Expanding Pulley.



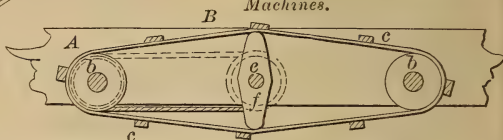
78765—D. Smith—Brick Machine.



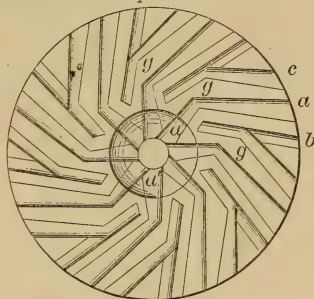
78767—E. Spaulding—Mosquito Screen.



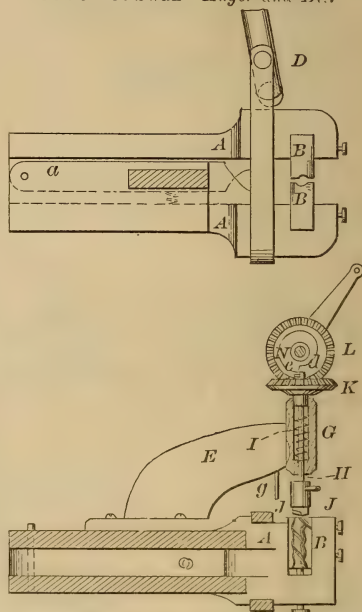
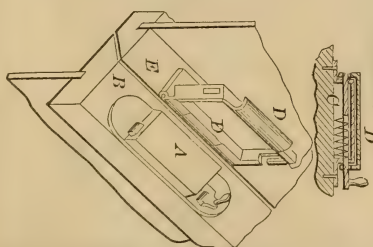
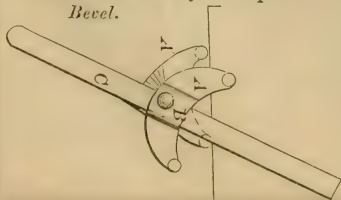
78766—J. P. Smith—Shaker for Threshing Machines.



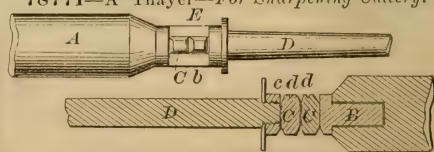
78768—H. L. Spencer—Mill Stone Dress



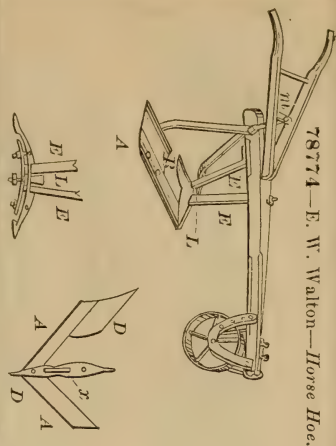
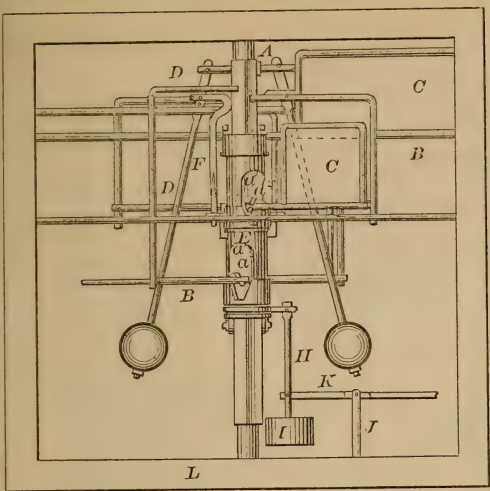
78769—J. Swan—Auger and Bit.

78772—R. Thomas—Scrub
Pudener, D78770—H. G. Taylor—Square and
Bevel.

78771—A Thayer—For Sharpening Cutlery.

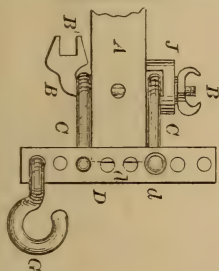


78773—G. J. Thorn—Wind Mill.

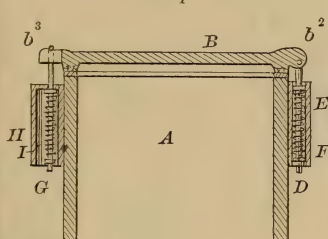


78774—E. W. Walton—Horse Hoe.

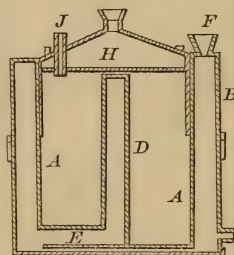
78775—T. P. Warren—Clevis Iron.



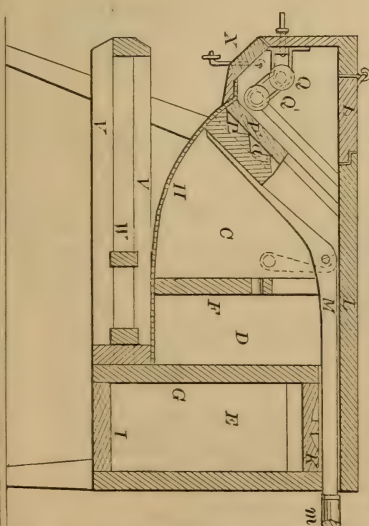
78776—W. Werts—Car Axle Cap.



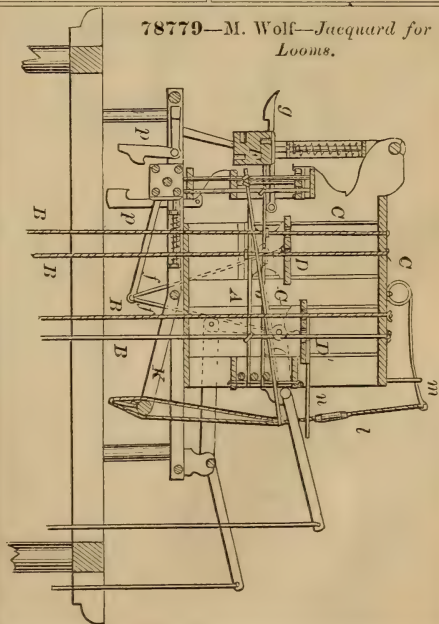
78777—White & King—Refrigerating Milk Can.



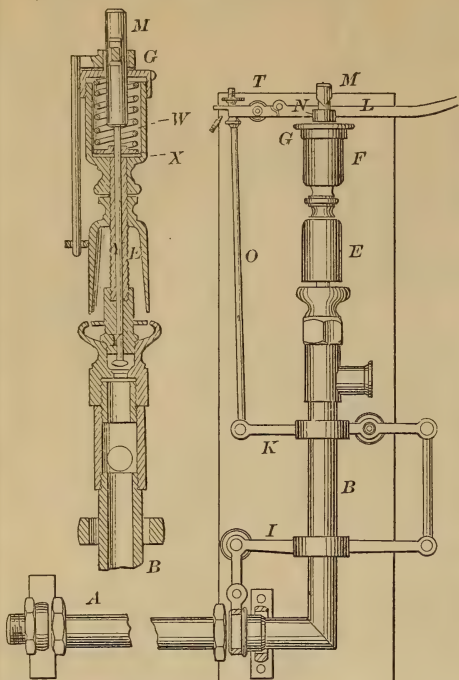
78778—Wilmaus & Wolfe—Dough Kneader.



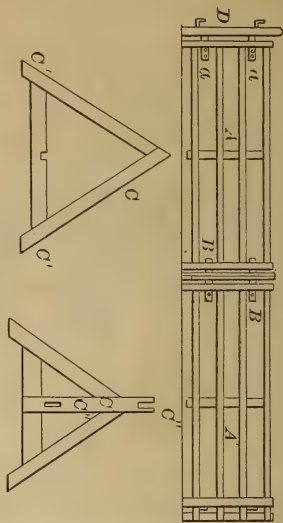
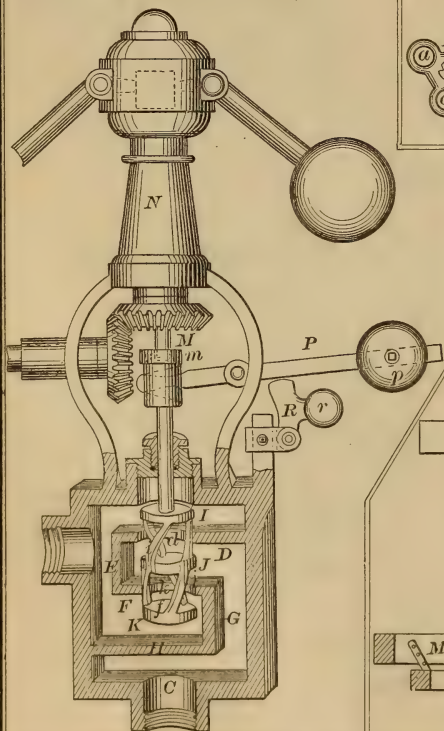
78779—M. Wolf—Jacquard for Looms.



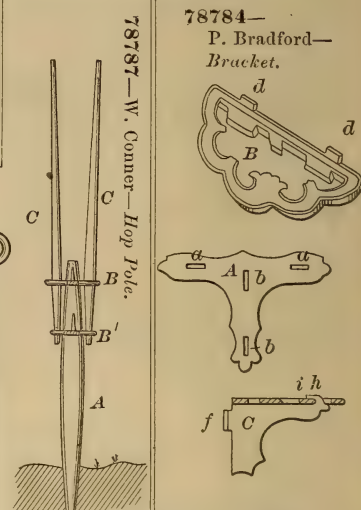
78781—T. P. Akers—Boiler Indicator.



78782—W. Bellis—Governor.



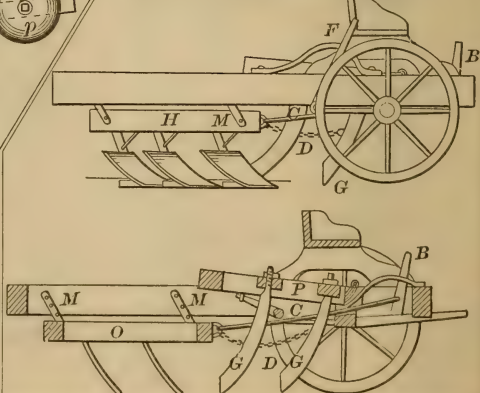
78783—L. W. Bosart—Portable Fence.



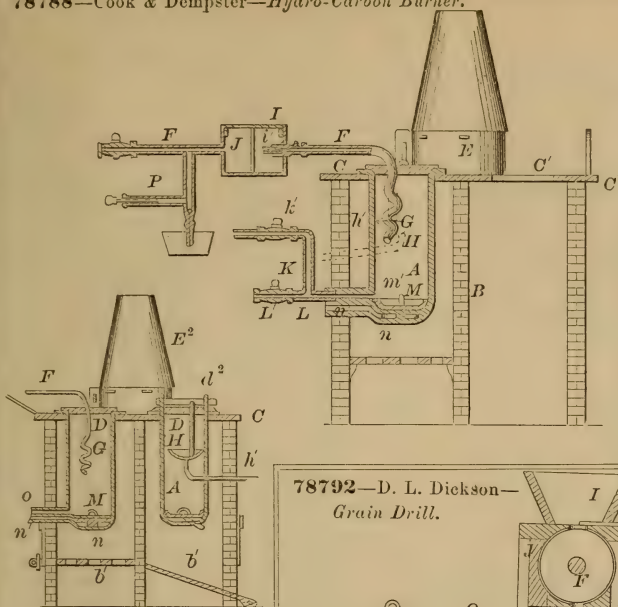
78784—P. Bradford—Bracket.

78787—W. Conner—Hop Pole.

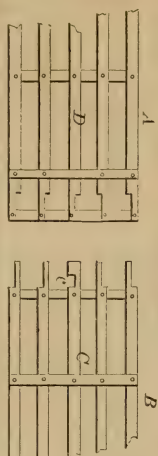
78785—Brown & Gerth—Plow.



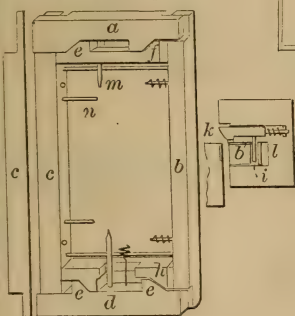
78788—Cook & Dempster—*Hydro-Carbon Burner.*



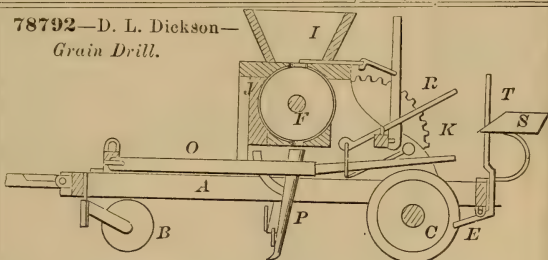
78789—W. Corson—*Portable Fence.*



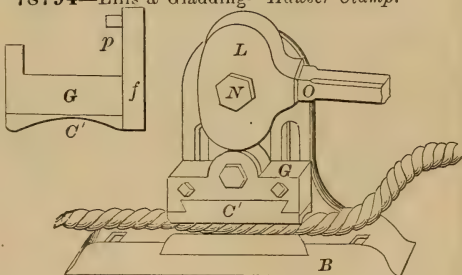
78790—J. Cross—
Weather Strip.



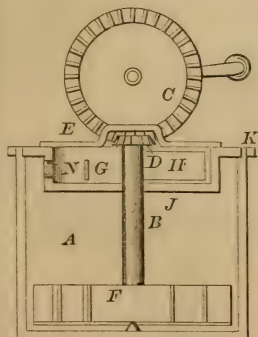
78792—D. L. Dickson—
Grain Drill.



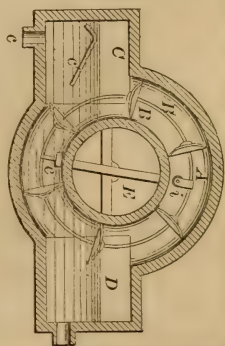
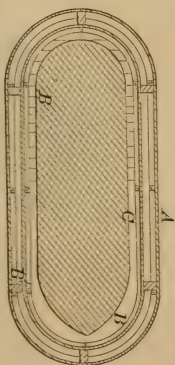
78794—Ellis & Gladding—*Hawser Clamp.*



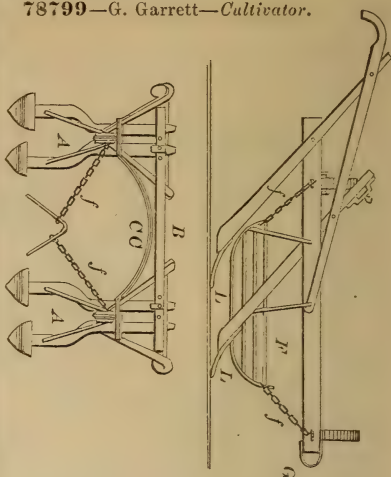
78791—S. T. Curtiss—*Churn.*



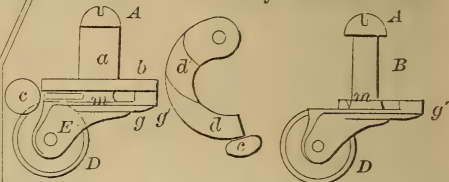
78795—H. Flad—*Water Meter.*

78793-J. B. Eads—*Sub-Aqueous Foundation.*

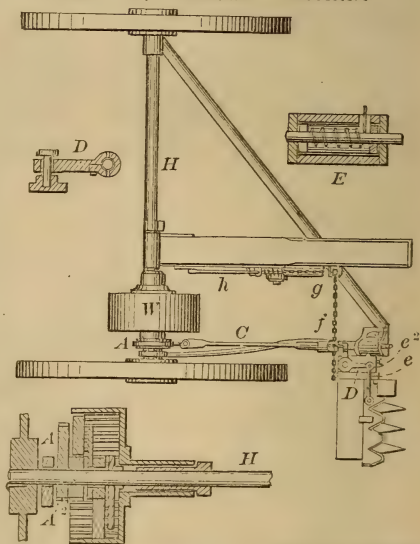
78799—G. Garrett—Cultivator.



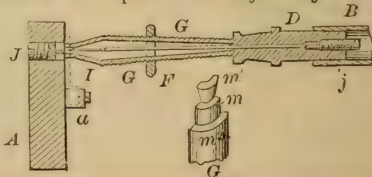
78798—E. E. Furney—Furniture Caster.



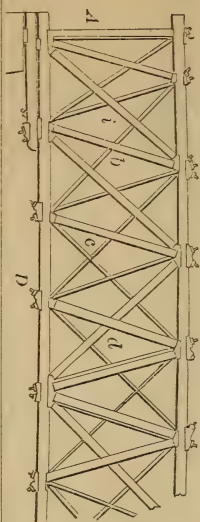
78800—W. F. Goodwin—Harvester.



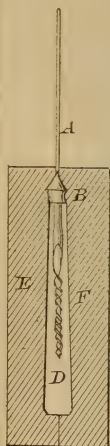
78803—C. Hopkins—For Jeweling Watches.



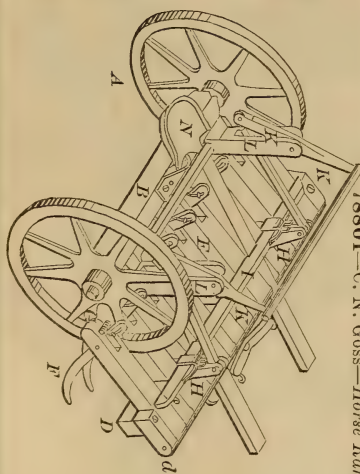
78797—J. Foreman—Truss Trained Bridge.



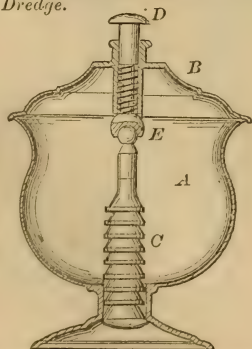
78796—J. Flood—Attaching Handles to Cutlery.



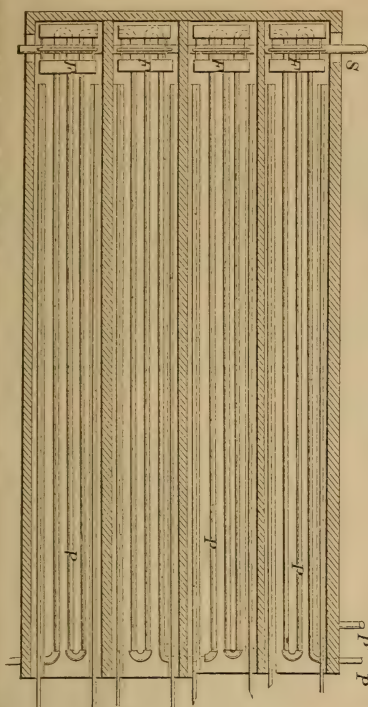
78801—C. N. Goss—Horse Rake.



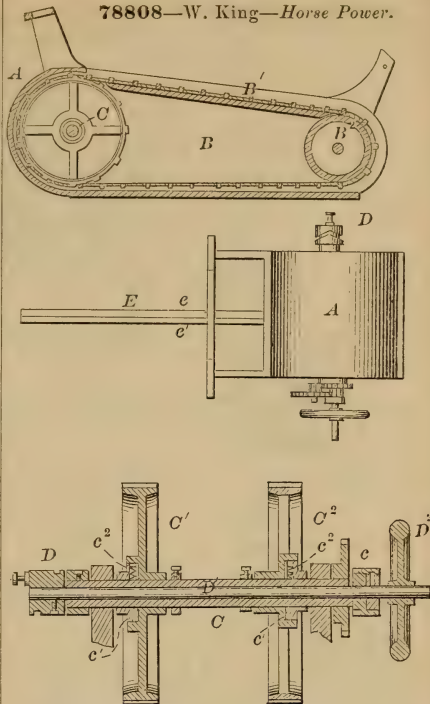
78805—G. Jones—Sprinkler and Dredge.



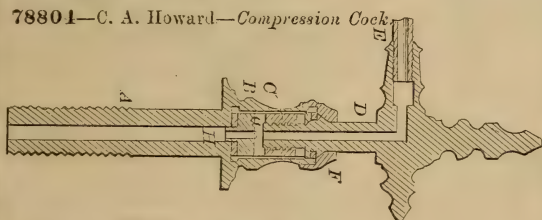
78802—I. C. Hatch—Brick Drying Apparatus.



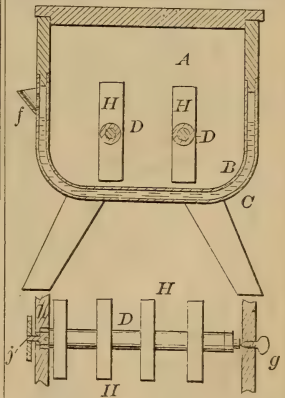
78808—W. King—Horse Power.



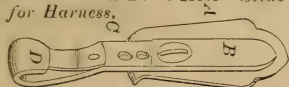
78801—C. A. Howard—Compression Cook



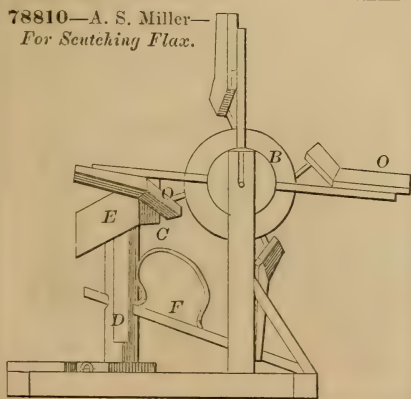
78809—J. J. McLane—Churn.



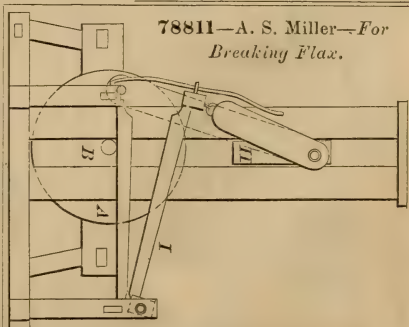
78807—J. & D. C. Kerr—Slide Snap for Harness.



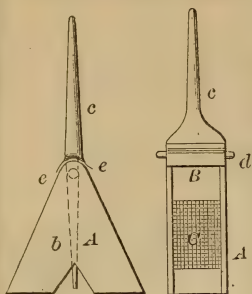
78810—A. S. Miller—For Scutching Flax.



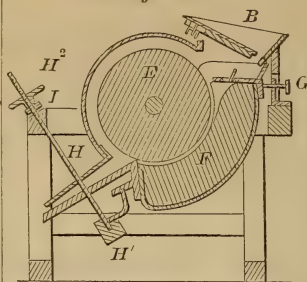
78811—A. S. Miller—For Breaking Flax.



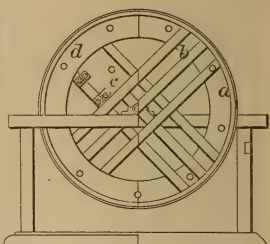
78812—S. Mills—Churn.



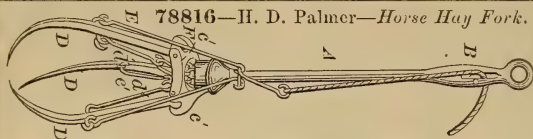
78814—J. P. Moore—Grinding Mill.



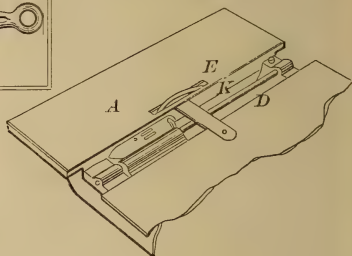
78815—H. Muller—For Stuffing Leather.



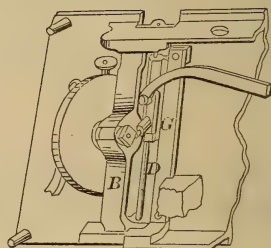
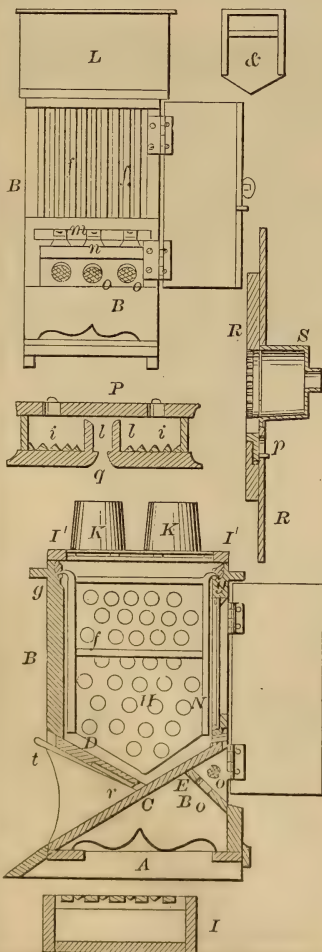
78816—H. D. Palmer—Horse Hay Fork.



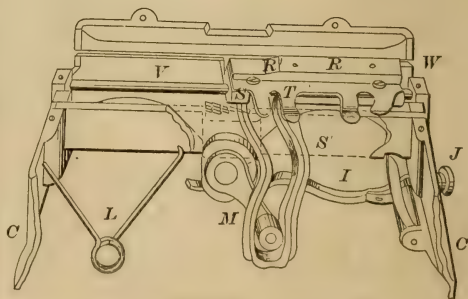
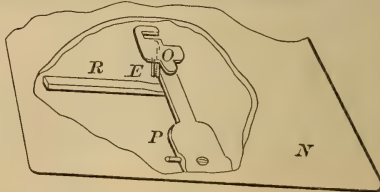
78817—C. Parham—Sewing Machine.



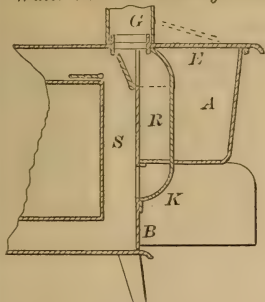
78813—F. Moore—Beehive.



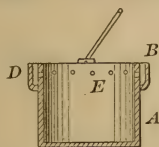
78818—C. Parham—Sewing Machine.



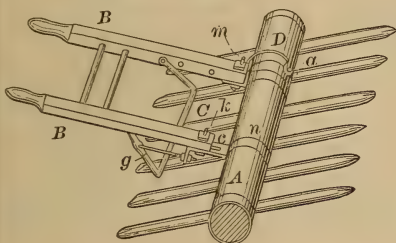
78819—D. E. Paris—*Hot Water Tank on Cooking Stoves.*



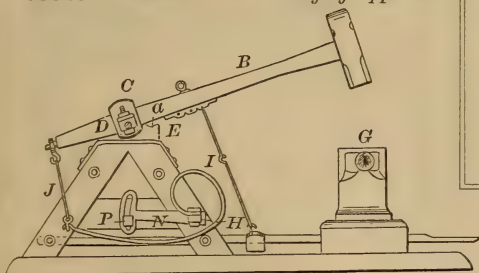
78823—H. H. Pember—*Kettle*.



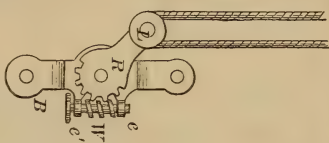
78824—Pennington & Woodfill—
Horse Rake.



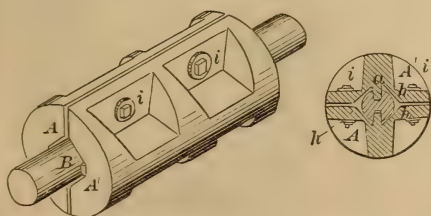
78825—Peterson & Jones—*Forging Apparatus.*



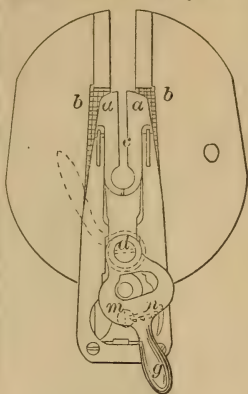
78826—G. T. Pillings—*Shade Fixture.*



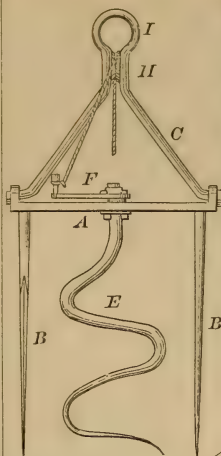
78827—T. W. Porter—*Shaft Coupling.*



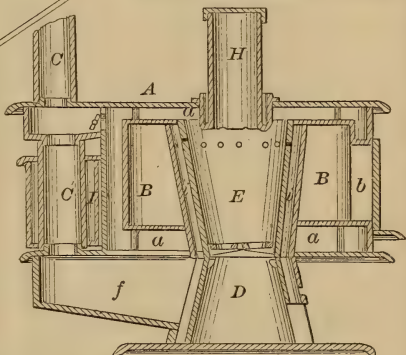
78821—R. H. Peabody—
Button Hole Stitching Machine.



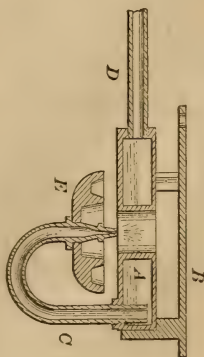
78820—E. M. Parker—Horse Hay Fork.

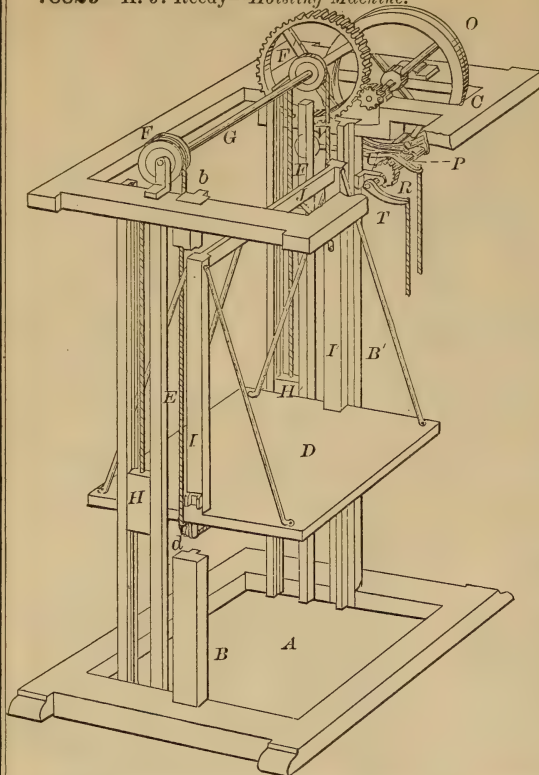
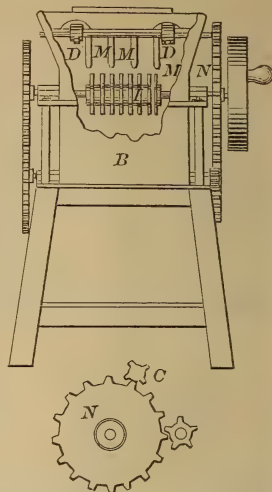
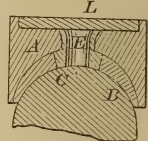
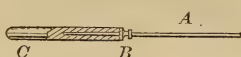
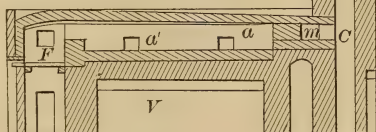
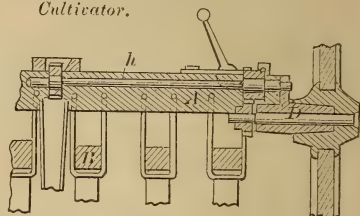
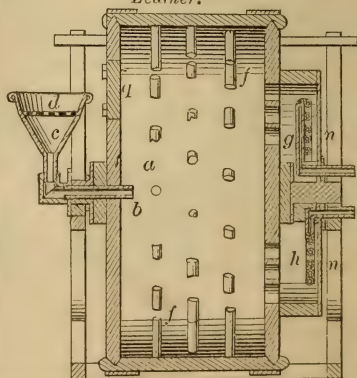
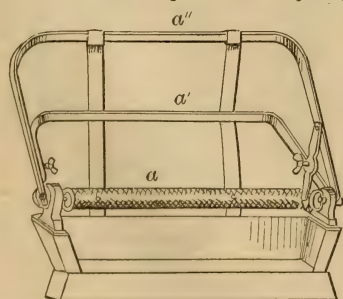


78822—II. Pease—Cook Stove.

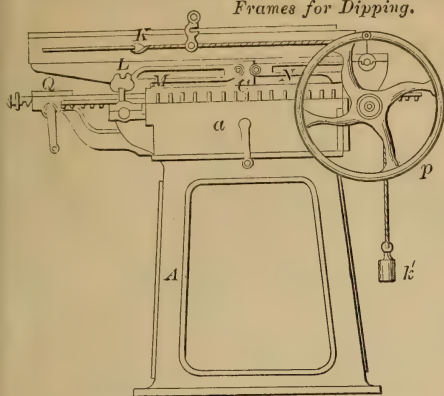


78828—D. W. Ranke—Gas Generator.

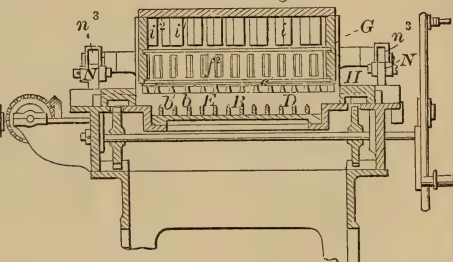
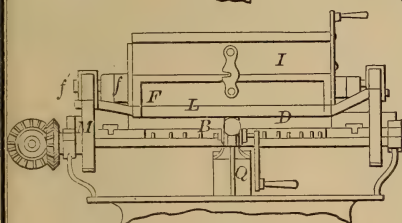
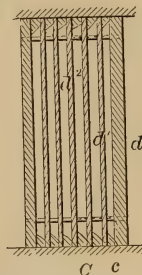
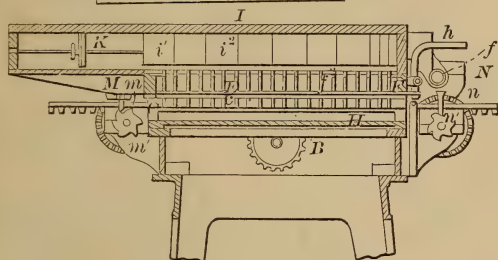
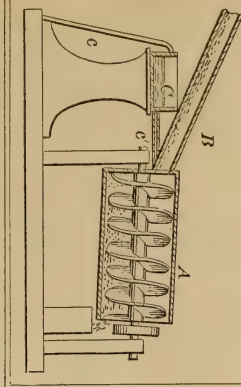


78829—H. J. Reedy—*Hoisting Machine.*78830—N. Richardsen—*Ice Crusher.*78832—J. T. Robinett—*Journal Box.*78834—W. Sanderson—*Handle of Table Cutlery.*78831—L. E. Rivot—*Treating Gold and Silver Ores.*78833—J. S. & I. Rowell—*Seeder and Cultivator.*78835—J. W. Schayer—*For Stuffing Leather.*78836—E. S. Scripture—*Carriage Top.*

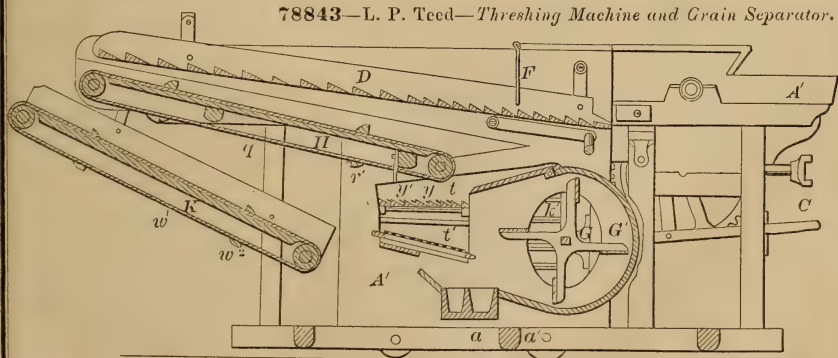
78837—G. Sebold—For Placing Friction Matches in Frames for Dipping.



78838—I. Shellabarger—For Dampening Grain.



78843—L. P. Teed—Threshing Machine and Grain Separator.

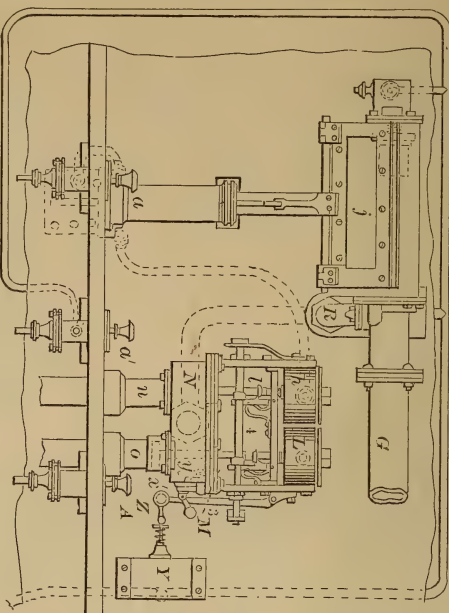
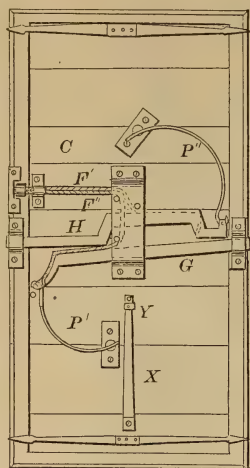


78839—J. A. Simpson—Umbrella and Parasol.

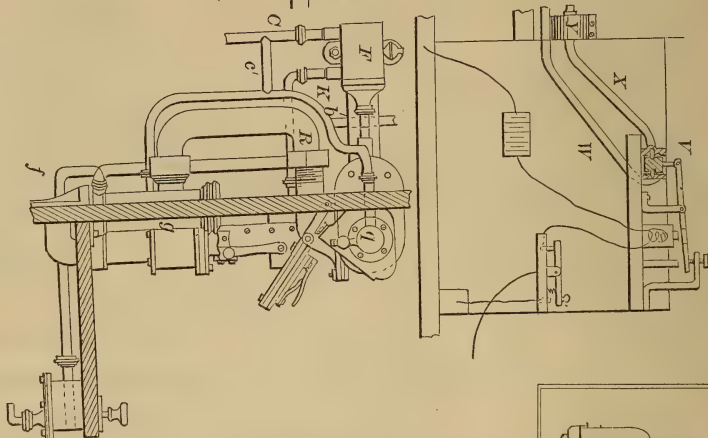


78844—E. H. Tobey—For Raising and Lowering Windows.

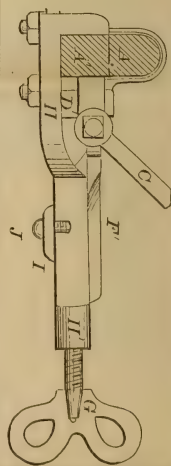
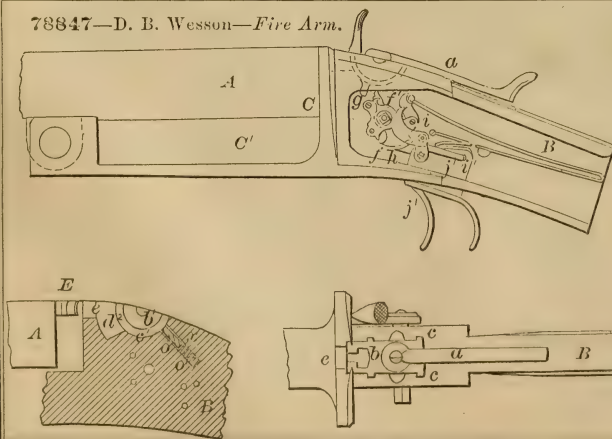


78841—J. H. Smiley—
Wagon Brake.

78845—C. F. Varley—For Transmitting Dispatches.

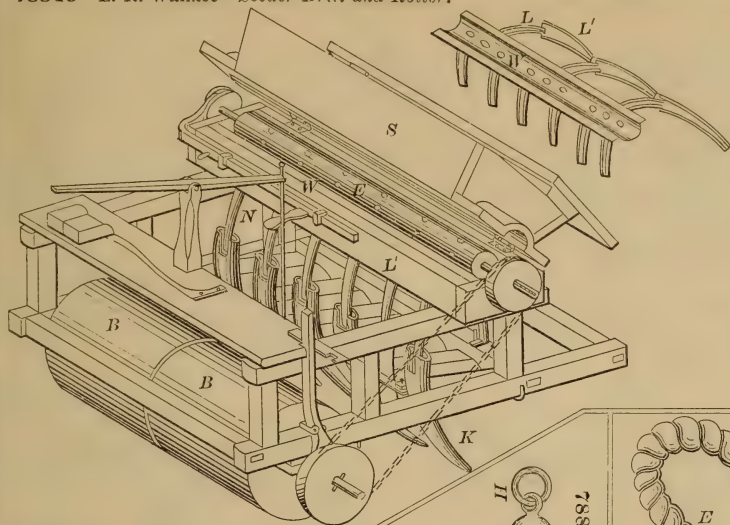


78847—D. B. Wesson—Fire Arm.

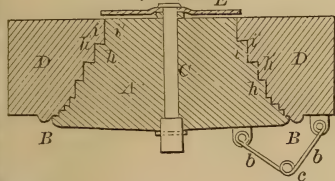


78848—J. Whitlock—Shackle Jack.

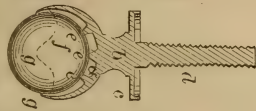
78846—L. R. Wallace—Seeder Drill and Roller.



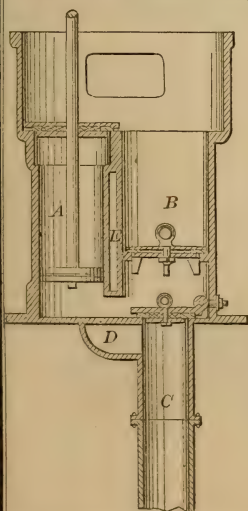
78851—F. H. Williams—Construction of Safes. E



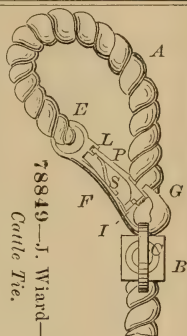
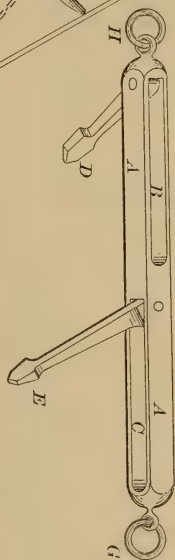
78850—L. Wilkinson—Ball Caster.



78854—W. Adair—Pump.

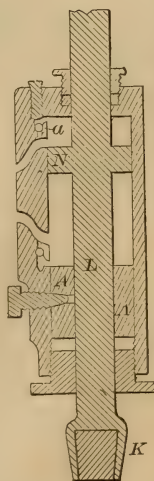
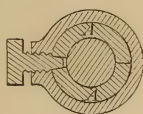


78852—F. Wittram—Anchor.

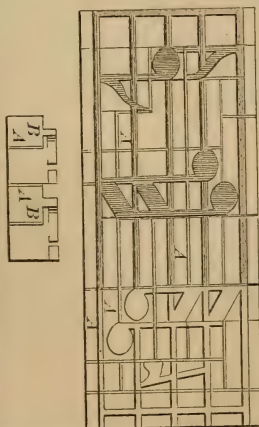


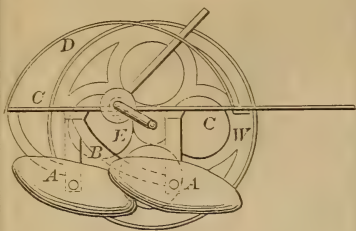
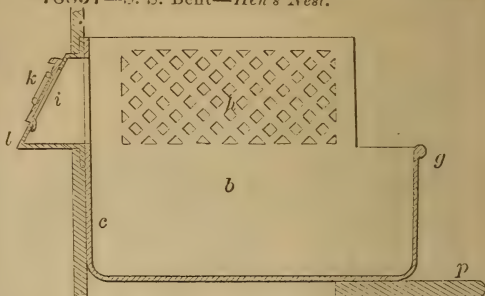
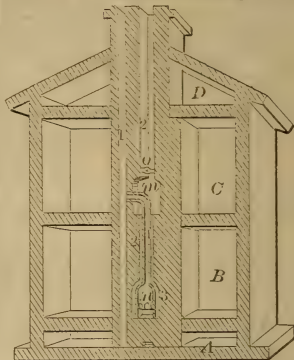
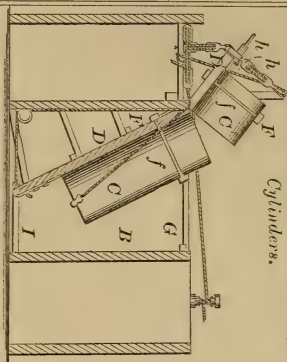
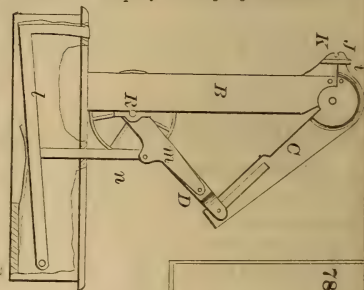
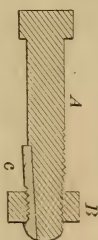
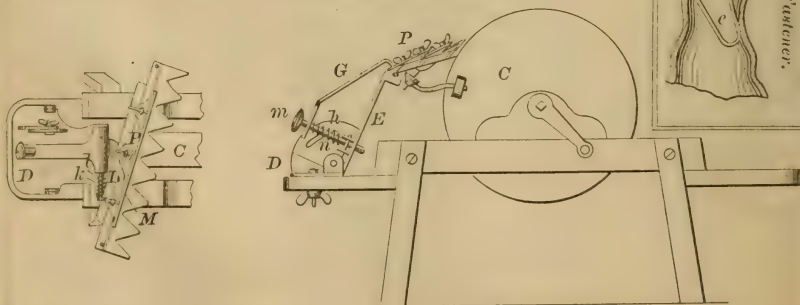
78849—J. Ward—Cattle Tie.

78853—Wood & Robinson—Steam Engine.

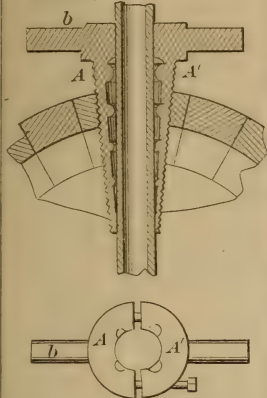


78855—E. L. Patch—Music Type.

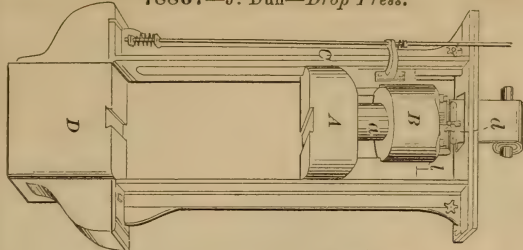


78856—L. W. Beal—*Plow.*78857—S. S. Bent—*Hen's Nest.*78859—T. Boyd—*Heating Building.*78860—G. R. Bramhall—*Lowering
Cylinders.*78862—J. Copley—*Forging Machine.*78864—D. Cumming, Jr.—*Locking Nuts.*78861—D. W. Colburn—*Wrench.*78863—M. C. Cronk—*For Grinding Mowing Machine Knives.*78858—J. Bounds—*Pepper
Box Top Fastener.*

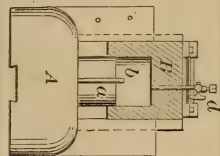
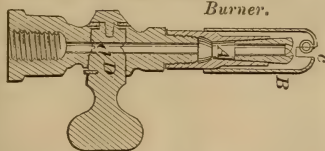
78865—J. F. de Navarro—*For Attaching Pumps to Barrels.*



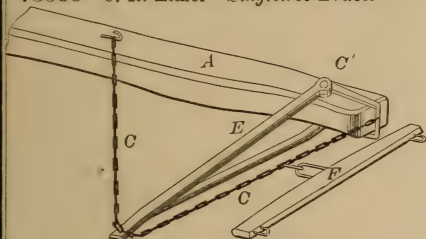
78867—J. Duff—*Drop Press.*



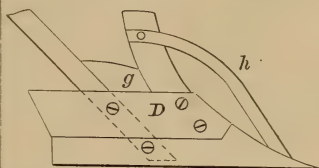
78871—S. Gardiner, Jr.—*Gas Burner.*



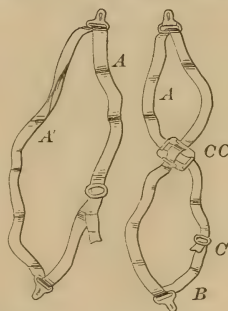
78868—C. R. Elmer—*Singletree Brace.*



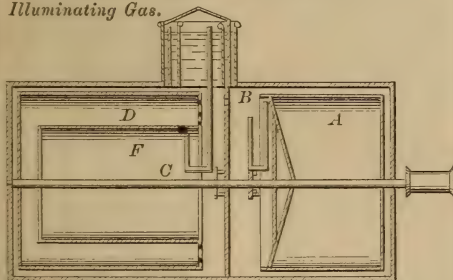
78869—C. M. French—*Plow.*



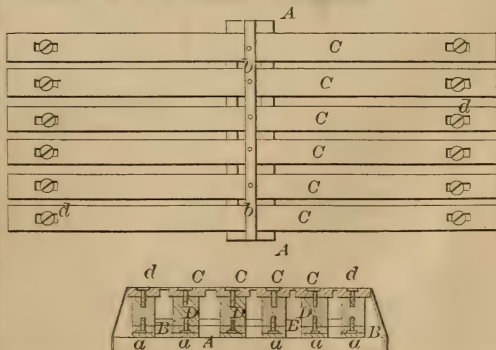
78872—A. W. Harris—*Suspenders.*



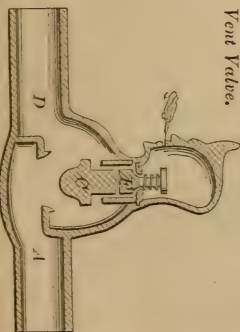
78870—G. P. Ganster—*Manufacture of Illuminating Gas.*



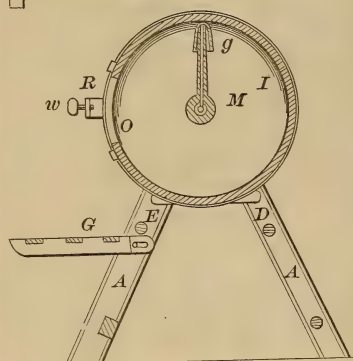
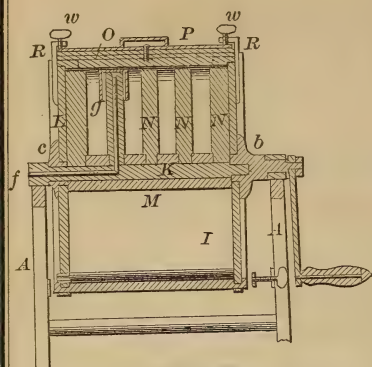
78876—W. R. S. Hunter—*Bed Bottom.*



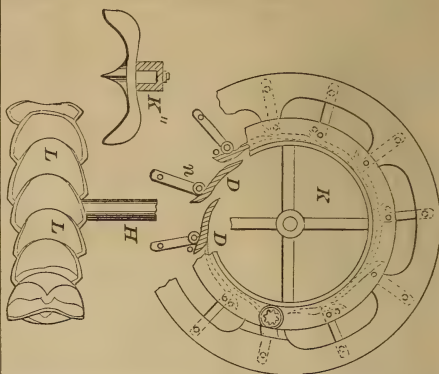
78873—J. H. G. Hawes—*Influx and Vent Valve.*



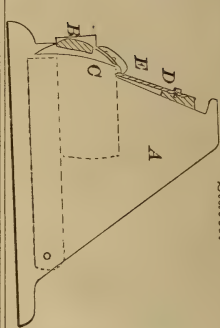
78877—F. A. Jewett—Churn.



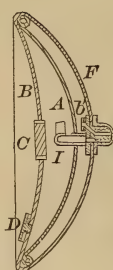
78879—T. Leffel—Water Wheel.



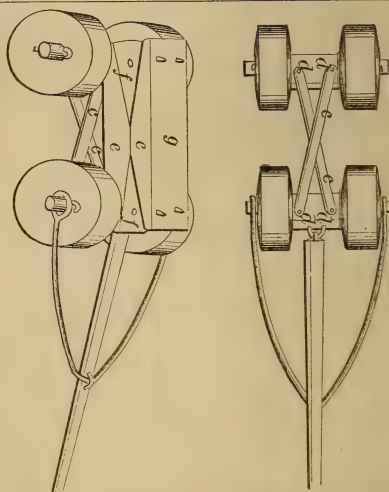
78882—H. Martin—For Cutting Slaves.



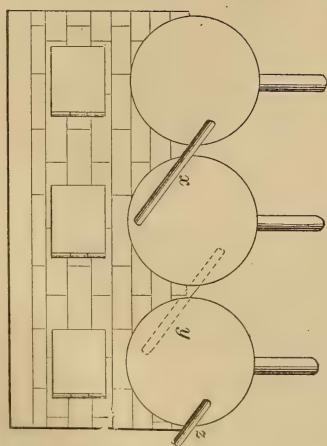
78881—H. W. Libbey—Nursing Bottle.



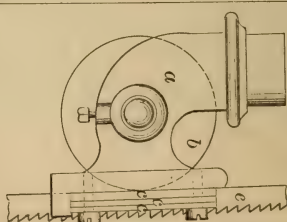
78883—J. S. Milkan—Truck.



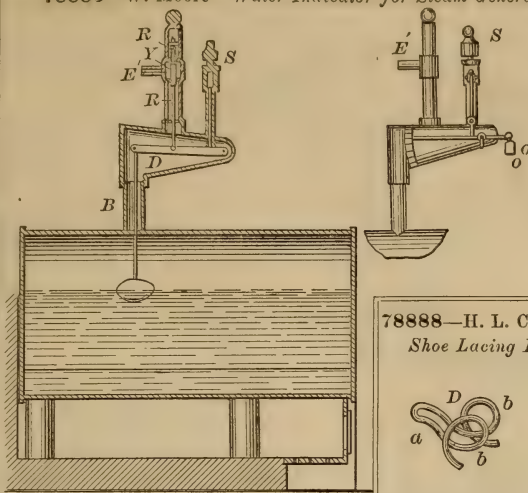
78878—A. Kirk—Distilling Petroleum.



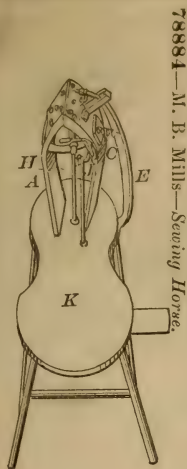
78880—J. Lemman—Guide for Band Saws.



78885—W. Moore—Water Indicator for Steam Generators.

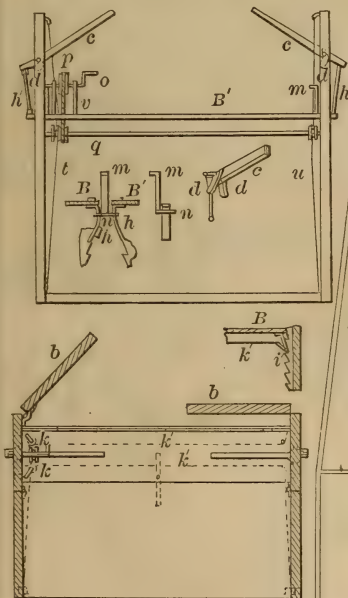


78888—H. L. C. Muller—Shoe Lacing Device.



78884—M. B. Mills—Sewing Horse.

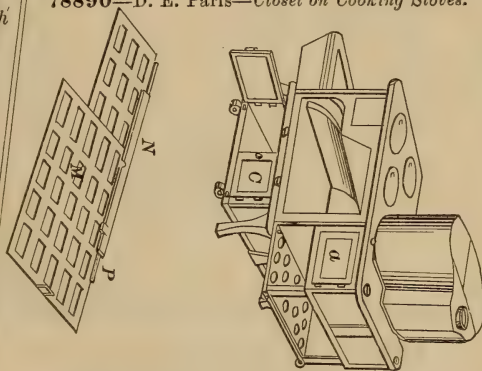
78886—D. Morrison—Staging.



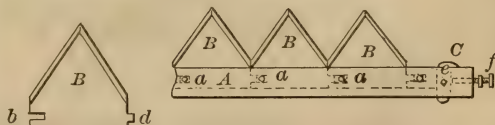
78887—Morse & Powell—Eraser.



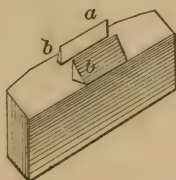
78890—D. E. Paris—Closet on Cooking Stoves.



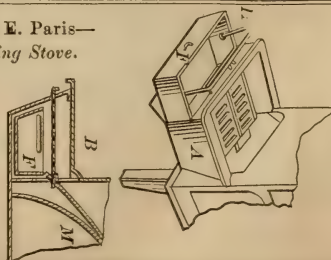
78889—J. T. Norris—Harvester Cutter.



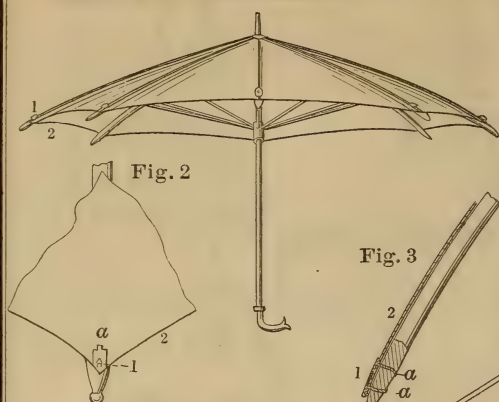
78892—C. H. Perkins—Toe Calk for Horse Shoes.



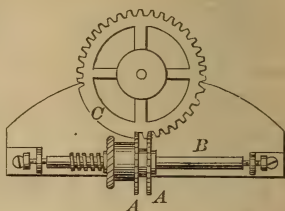
78891—D. E. Paris—Cooking Stove.



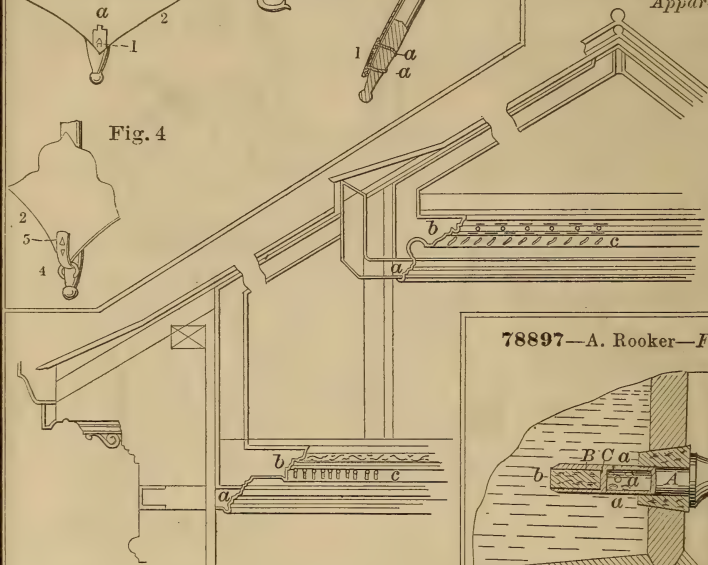
78893—G. W. Pierce—Umbrella.



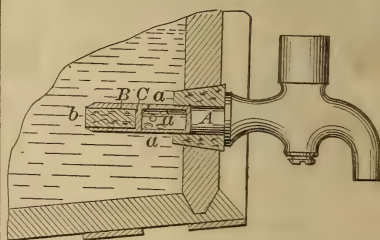
78896—E. Roberts—For Cutting the Teeth of Wheels.



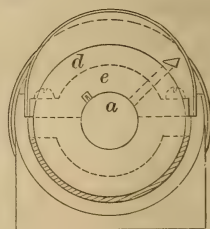
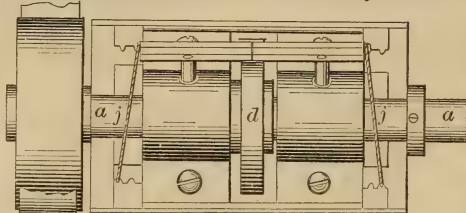
78894—W. Potts—Ventilating Apparatus.



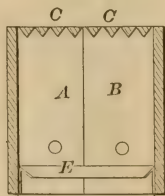
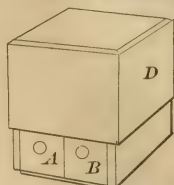
78897—A. Rooker—Faucet.



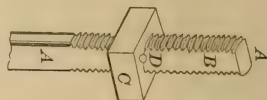
78895—Reynolds & Bachelder—Lubricating Device.



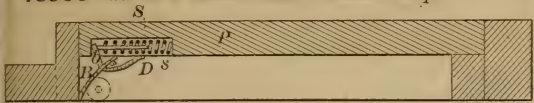
78898—S. P. Shipley—Beehive.



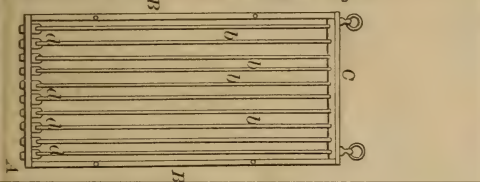
78899—A. D. Smith—Lock Nut.



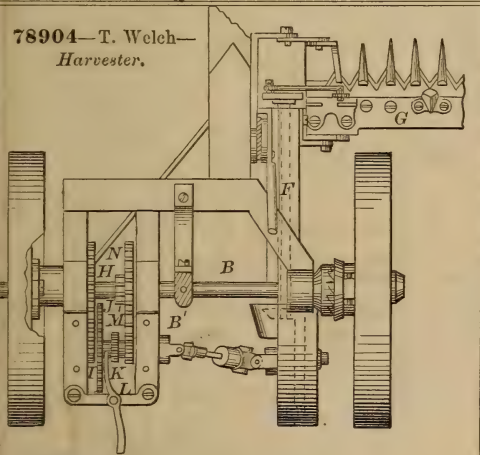
78900—Smith & Dasenbrook—Weather Strip.



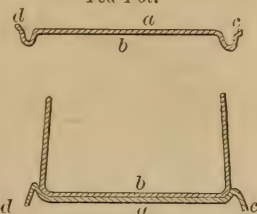
78902—R. B. Stillman—Clothes Dryer.



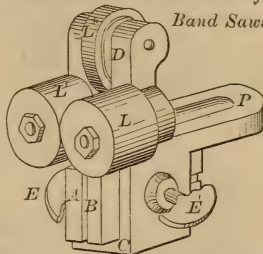
78904—T. Welch—Harvester.



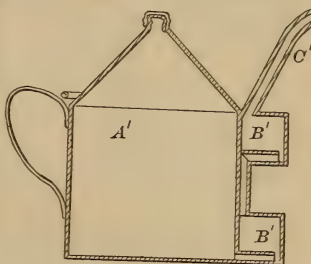
78901—W. W. Stevens—Tea Pot.



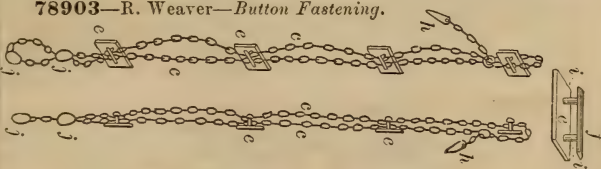
78905—W. P. Welch—Guide for Band Saws.



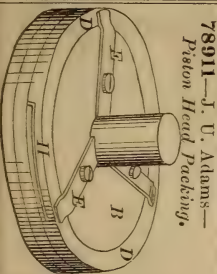
78906—H. B. Wellman—Oil Can.



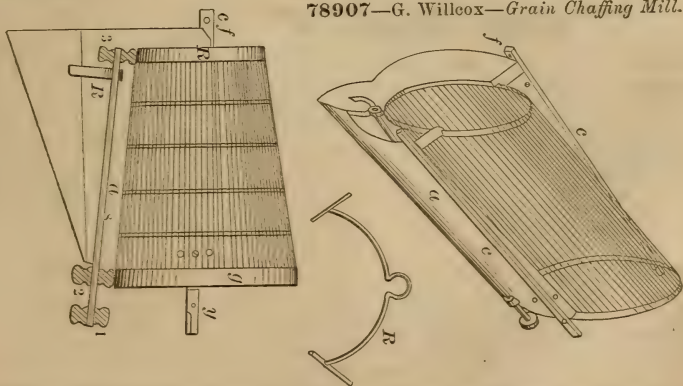
78903—R. Weaver—Button Fastening.



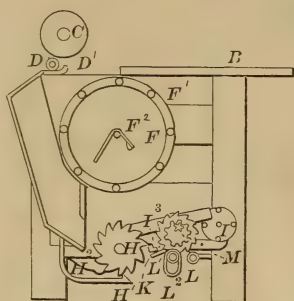
78911—J. U. Adams—Piston Head Packing.



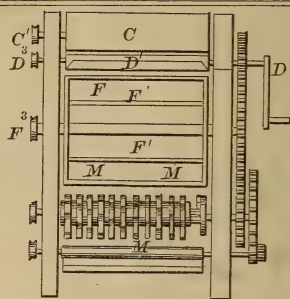
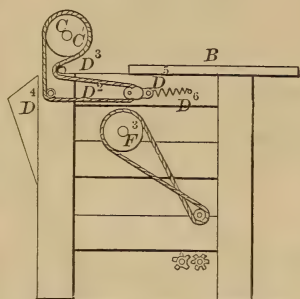
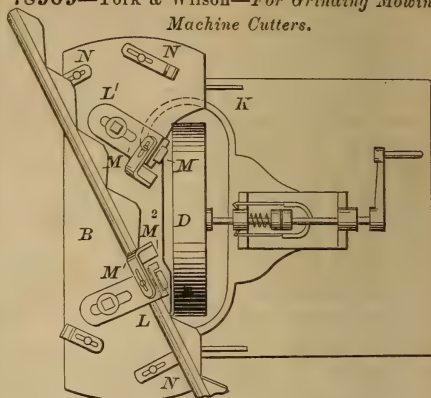
78907—G. Willcox—Grain Chaffing Mill.



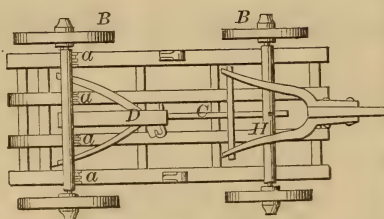
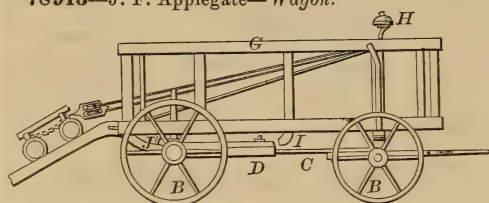
78908—C. O. Yale—Corn Husker.



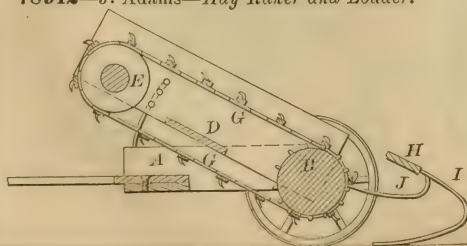
78909—York & Wilson—For Grinding Mowing Machine Cutters.



78913—J. F. Applegate—Wagon.



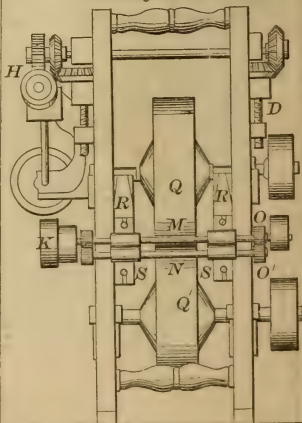
78912—J. Adams—Hay Raker and Loader.



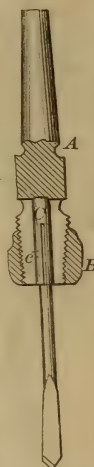
78914—J. C. Arms—Pocket Book Fastening.



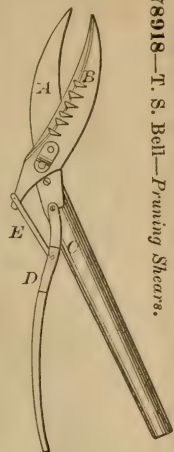
78915—E. C. Atkins—For Polishing Metal Plates.



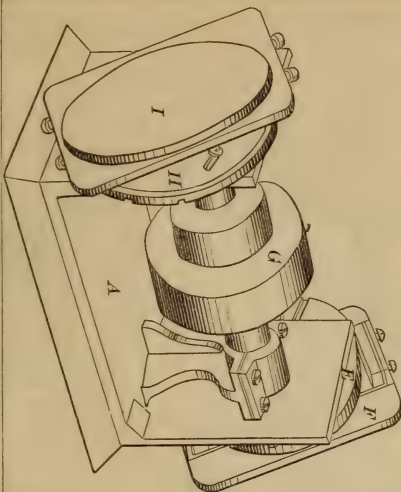
78916—E. H. Babcock—Drill Chuck.



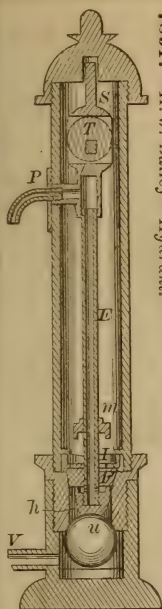
78918—T. S. Bell—Pruning Shears.



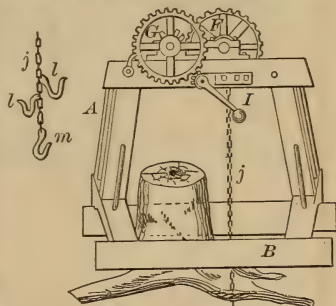
78919—A. P. C. Bonte—Wood Turning Lathe.



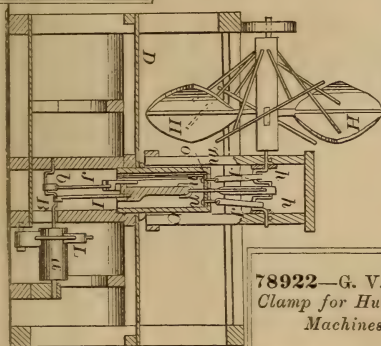
78917—H. J. Bailey—Hydrant.



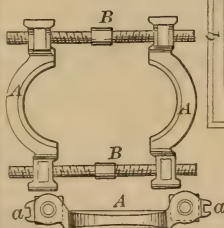
78920—J. G. Boyer—Stump Extractor.



78921—J. T. Braun—Wind Wheel.



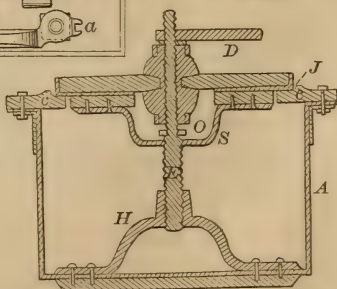
78922—G. V. Brecht—Clamp for Hub Boring Machines.



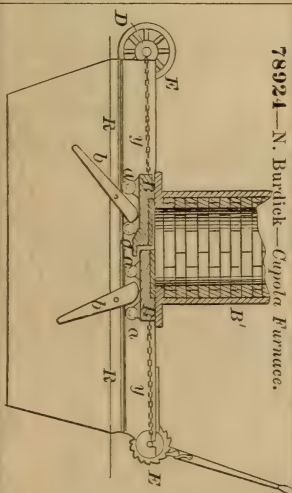
78923—H. H. Browne—Advertising Device.

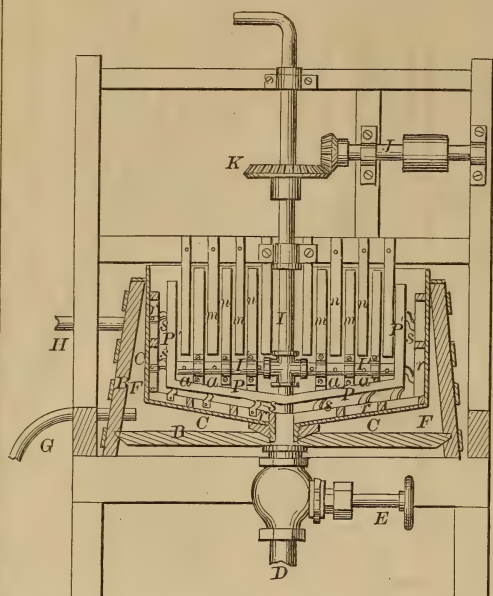
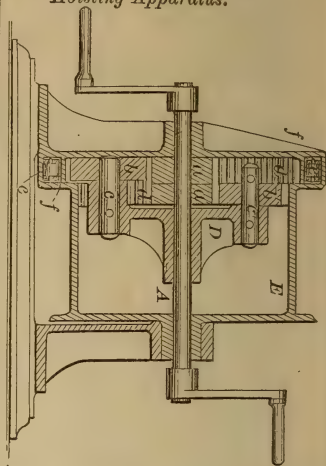
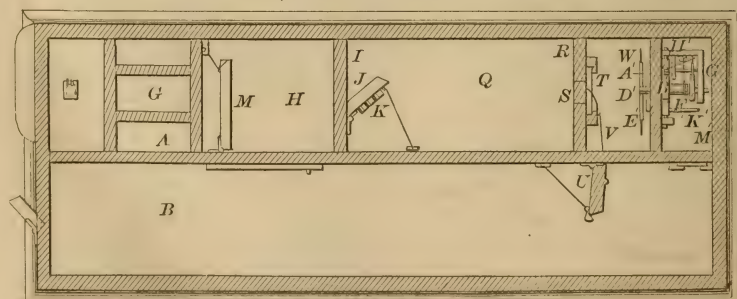
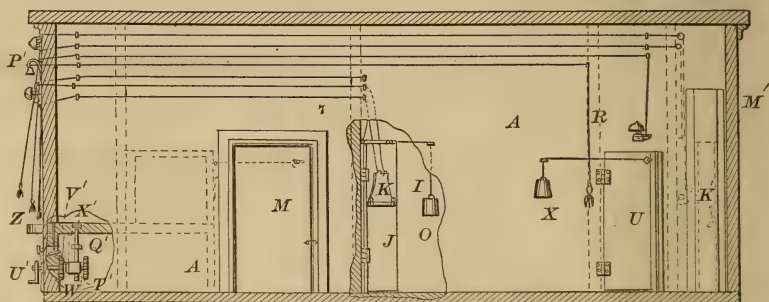
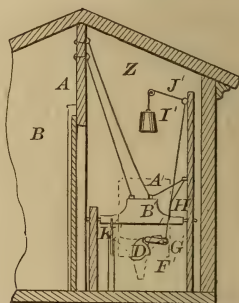


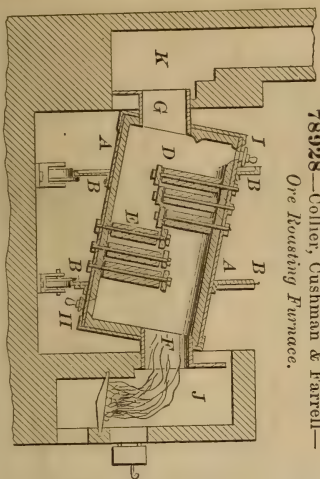
78926—R. Cawthorne—Tire Setter.



78924—N. Burdick—Cupola Furnace.

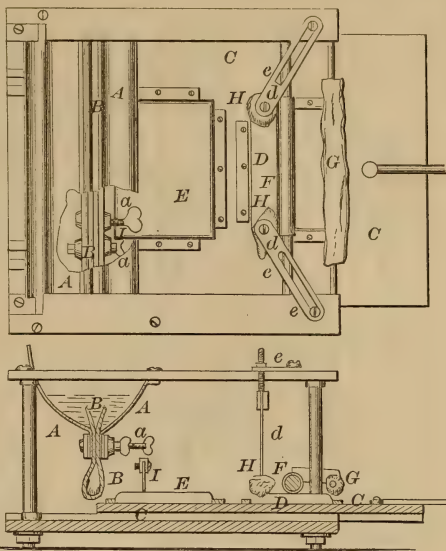


78925—G. C. Cassard—*Lard Cooler.*78927—J. Christiansen—*Hoisting Apparatus.*78929—J. S. Conlin—*Shooting Gallery.*



78928—Collier, Cushman & Farrell—
Ore Roasting Furnace.

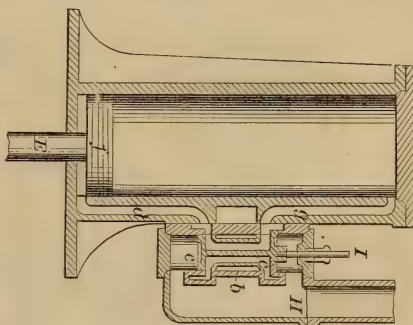
78930—G. Cooper—*Lithographic Press.*



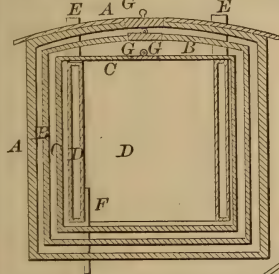
78931—J. Danner—*Pencil Sheath.*



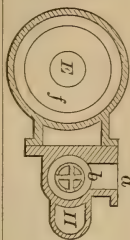
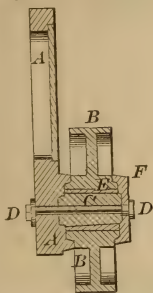
78933—D. Davy—*Piston Valve for Steam Hammers.*



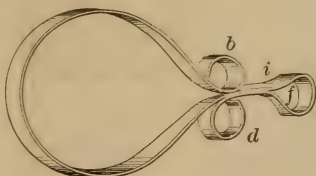
78932—W. Davis—*Preserving Meat.*



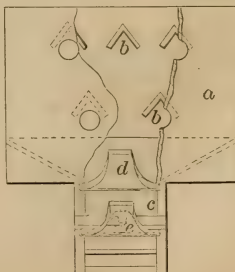
78934—G. S. Deane—
Gauge Wheel for Plows.



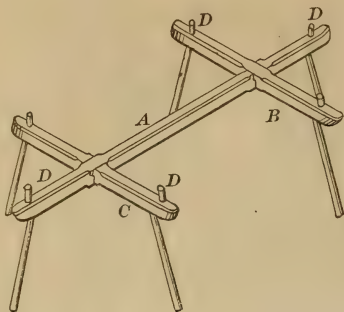
78936—H. H. Dickinson—*Tail Clasp for Milkmaids.*



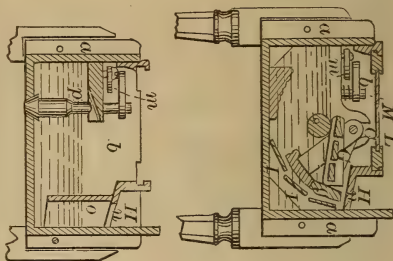
78935—D. A. Dickinson—
*Ventilating and Drying
Corn and Grain.*



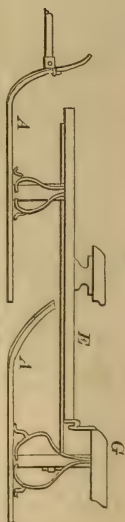
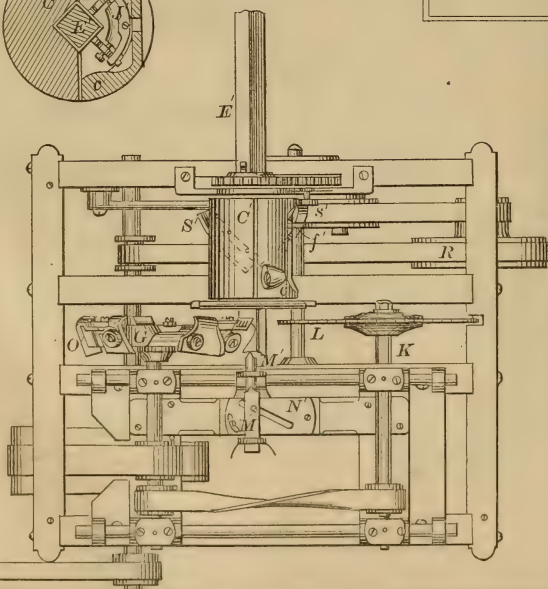
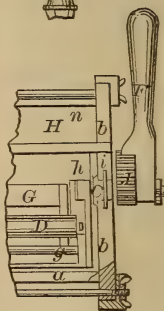
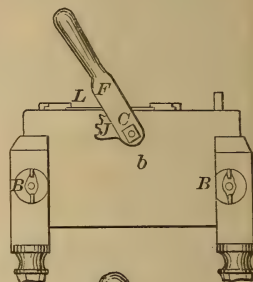
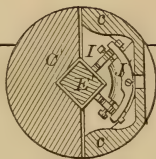
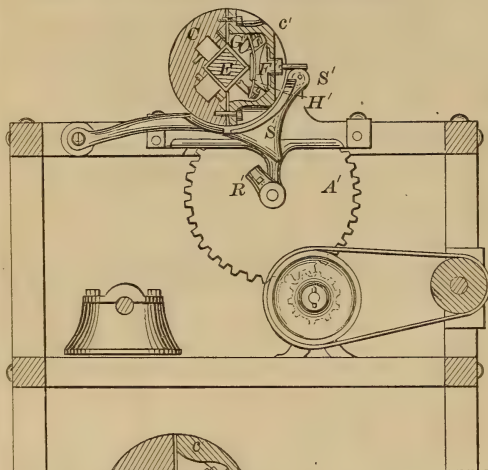
78937—F. Diebold—Wash Bench.



78940—W. M. Doty—Washing Machine.

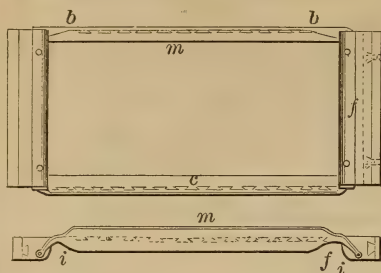


78938—W. Donaldson—For Making Bungs.

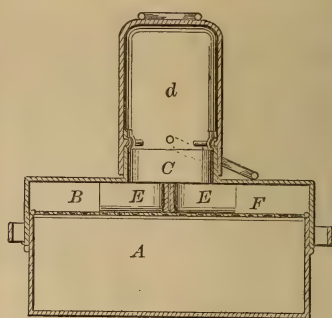


78939—J. P. Dorman—Steigh.

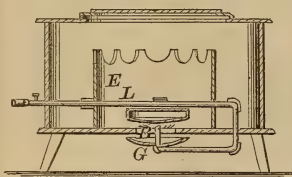
78948—A. C. Flint—Mosquito Bar.



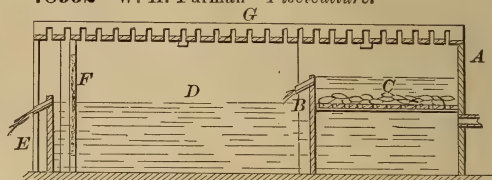
78949—C. Folsom—Ash Sifter.



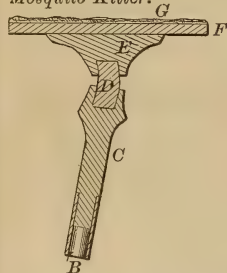
78951—O. C. Fox—Gas Heater.



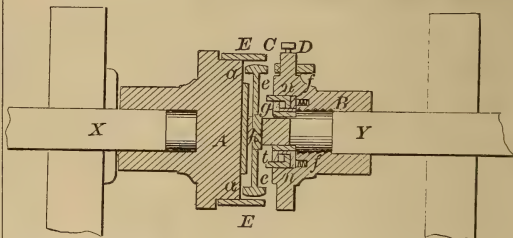
78952—W. H. Furman—Pisciculture.



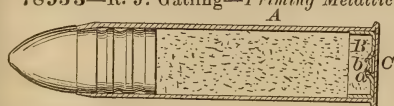
78950—H. D. Forbes—Mosquito Killer.



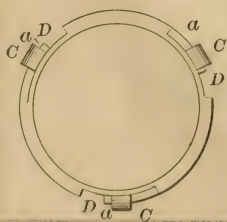
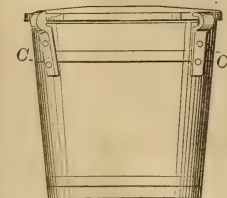
78954—J. Gibbons—For Forming Cylinder Rings.



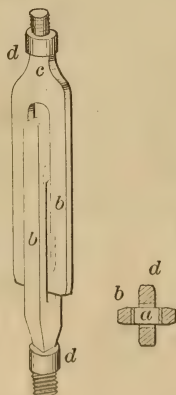
78953—R. J. Gatling—Priming Metallic Cartridges.



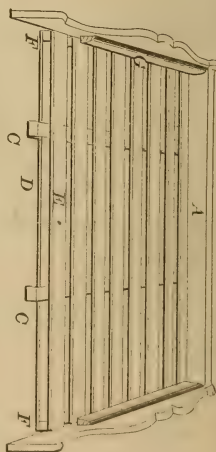
78955—D. A. Gilbert—Butter Tub.



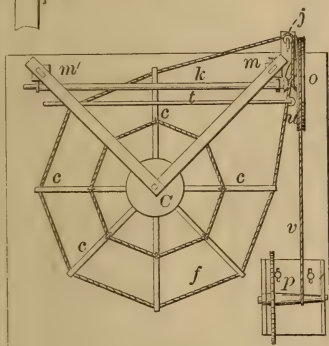
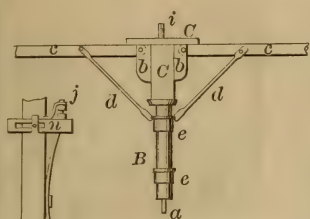
78958—E. Guilloa—Drilling Jar.



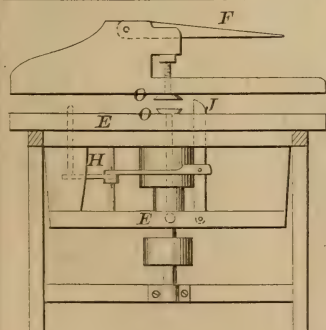
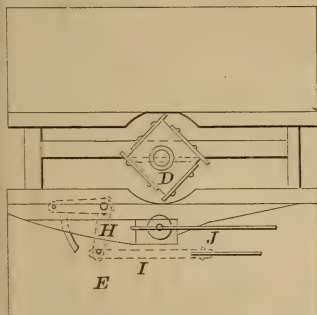
78956—L. Granger—Spring Bed Bottom.



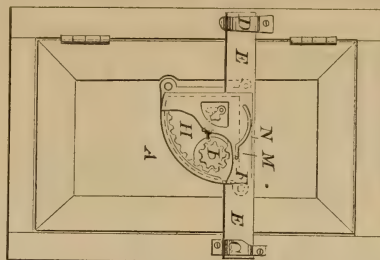
78957—J. A. Green—Horse Power.



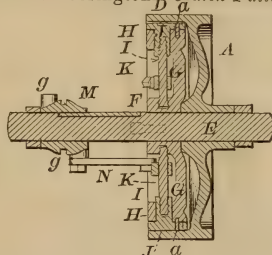
78959—S. Hagaman—For Rounding Slate Frames.



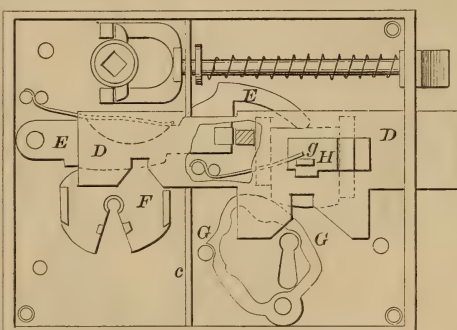
78960—J. E. Hanger—Door Lock.



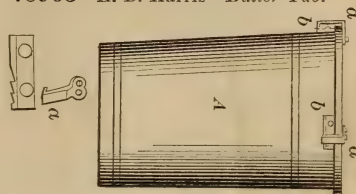
78961—D. Harrington—Clutch Pulley.



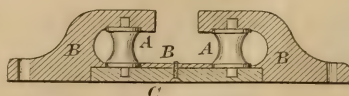
78962—R. C. Harrington—Door Lock.



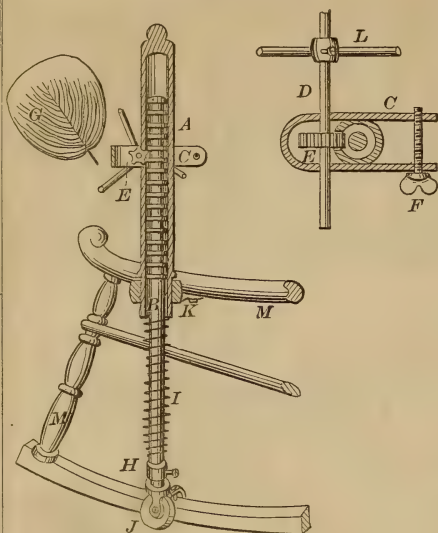
78963—A. B. Harris—Butter Tub.



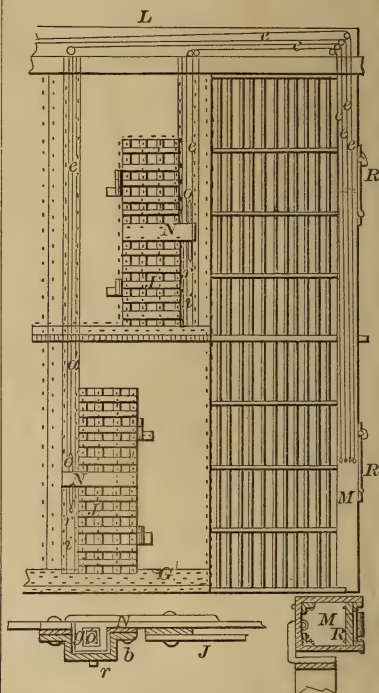
78964—J. T. Haskins—Warping Chuck.



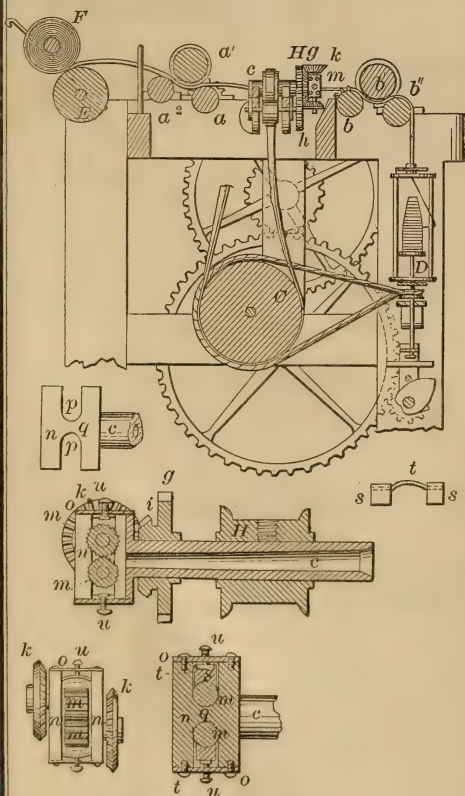
78965—A. R. Hobbs—*Fanning Attachment for Rocking Chairs.*



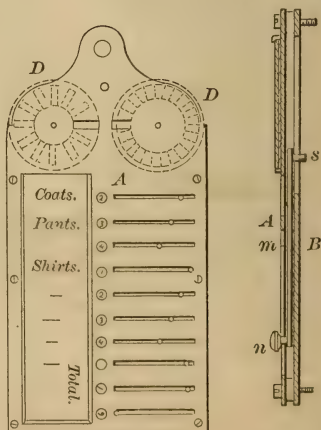
78966—I. Hodgson—*Prison.*



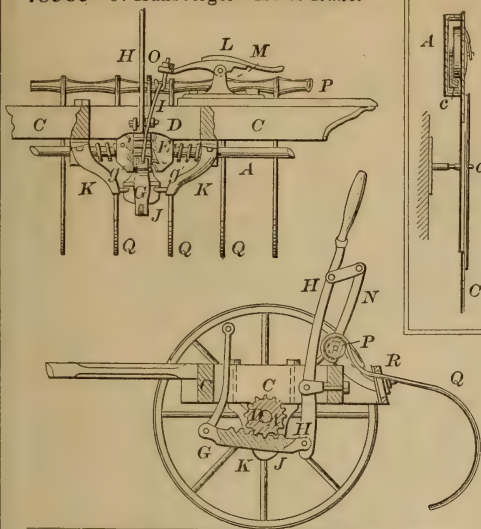
78968—A. L. Houghtaling—*Drawing and Twisting Head.*



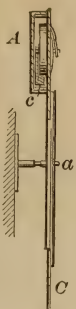
78967—J. S. & J. H. Hood—*Perpetual Register.*



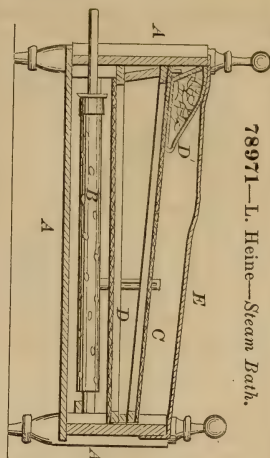
78969—J. Hunsberger—Horse Rake.



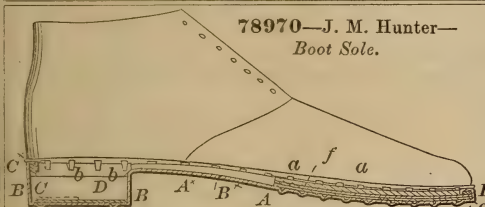
78972—C. King—Time Piece.



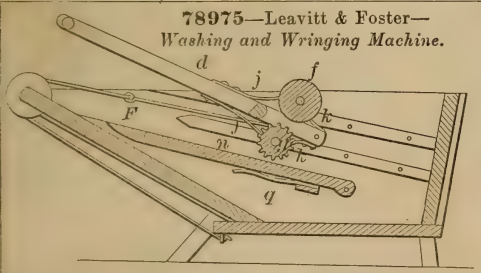
78971—L. Heine—Steam Bath.



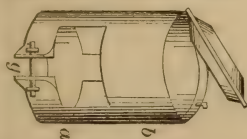
78970—J. M. Hunter—
Boot Sole.



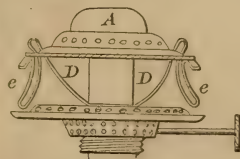
78975—Leavitt & Foster—
Washing and Wringing Machine.



78976—L. Lehman—Bottle Lock.



78978—H. M. Wyatt—
Lamp Burner.



78973—L. Klee—Mash Tub.

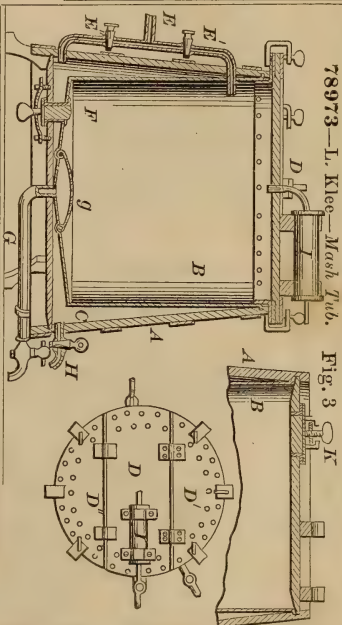
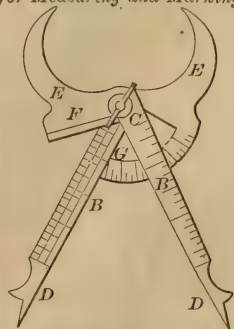
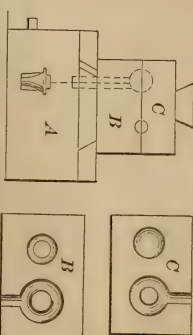


Fig. 3

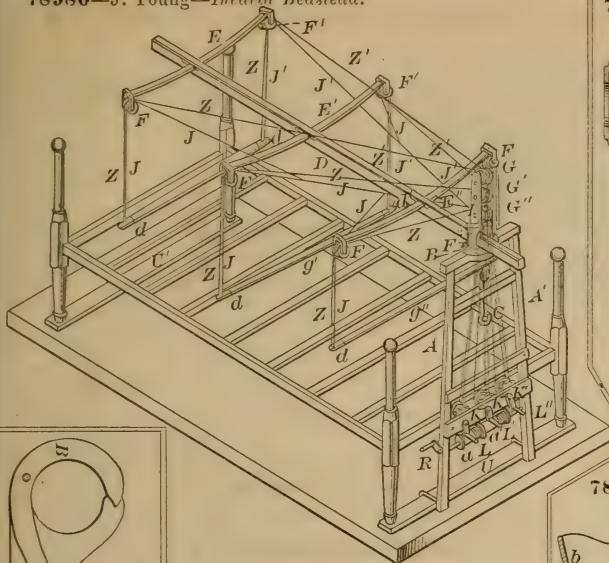
78974—C. M. Lane—Tool
for Measuring and Marking.



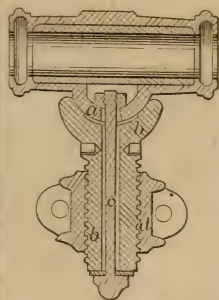
78977—E. Leonard—Die for Forging
Eye Bolts.



78986—J. Young—Invalid Bedstead.



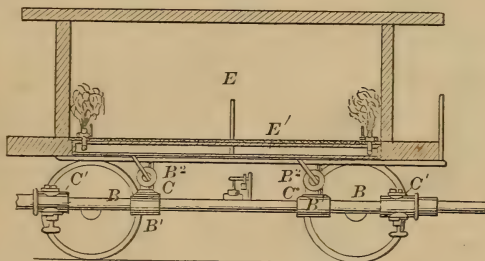
78992—G. V. Orton—Hanger for Shafting.



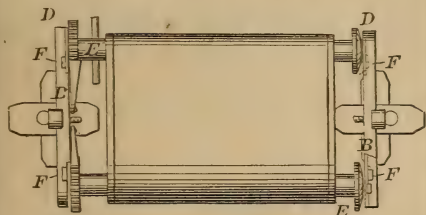
78993—G. T. Palmer—Bottom for Boilers.



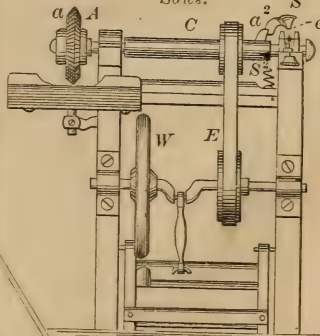
78990—A. C. Miner—Railroad Car Heater.



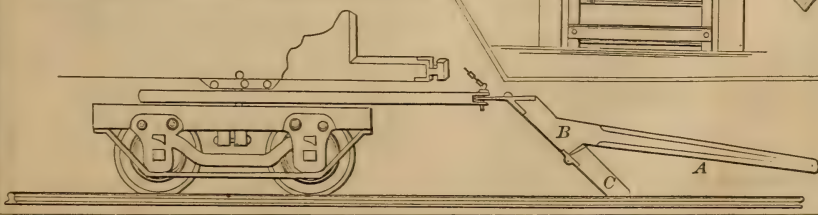
78989—P. H. Mellon—Quilting Frame.



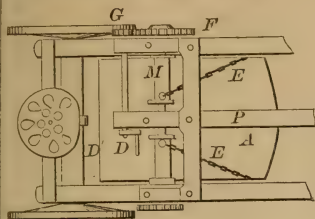
78995—B. P. Pendexter—For Sharpening Saws.



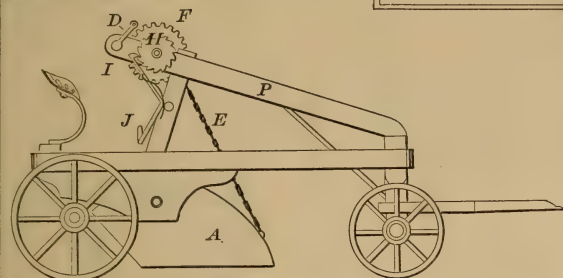
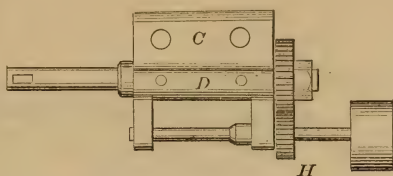
78994—E. C. Patterson—Railroad Car Jack.



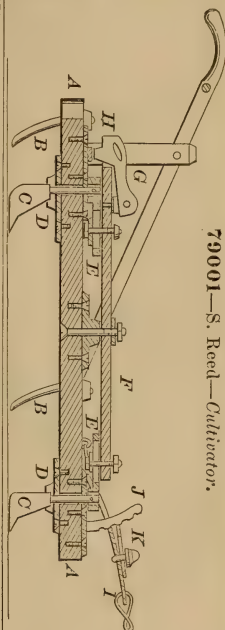
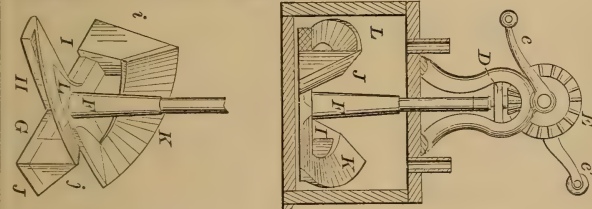
78999—F. Post—Scraper.*



79000—G. Raft—For Fitting Wrist Pins.

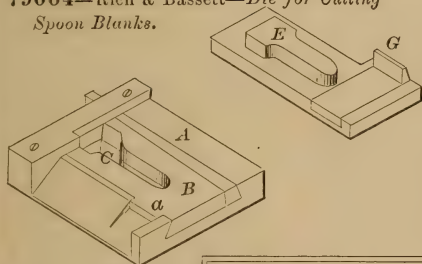


79002—C. C. Reese—Churn.

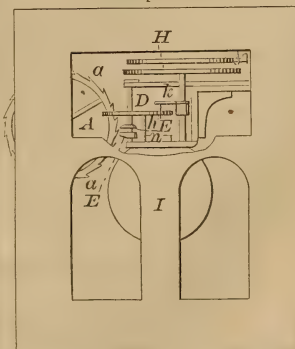


79001—S. Reed—Cultivator.

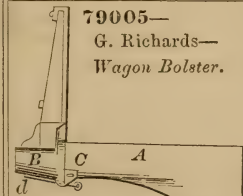
79004—Rich & Bassett—Die for Cutting Spoon Blanks.



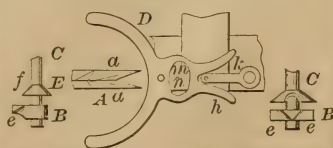
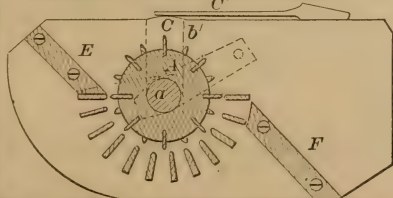
79003—C. Reinhart—Clock Escapement.



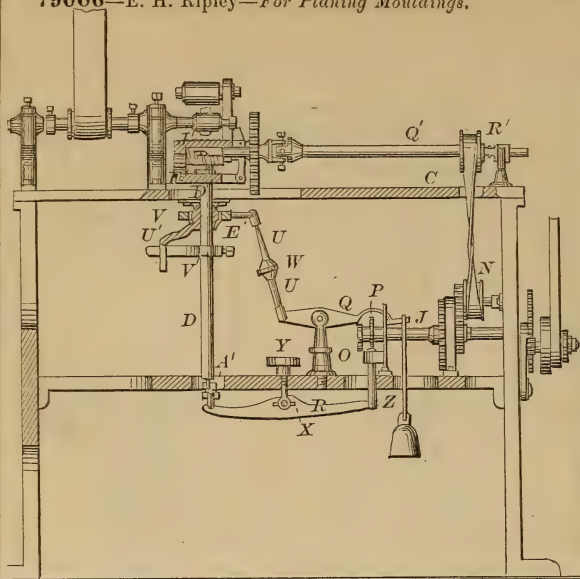
79005—G. Richards—Wagon Bolster.



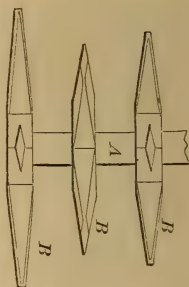
79007—W. Roberts—Corn Sheller.



79006—E. H. Ripley—For Planing Mouldings.



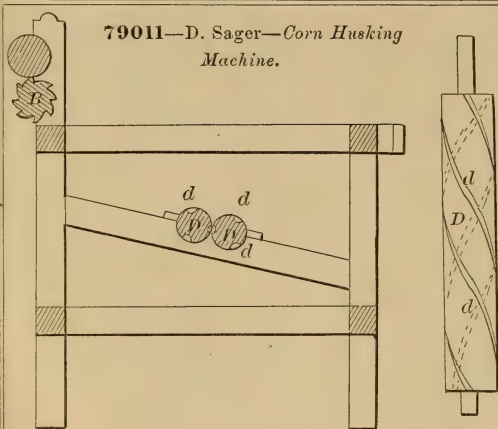
79008—J. H. Rowe—Chain.



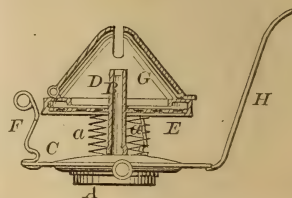
79012—N. C. Sanford—Auger.



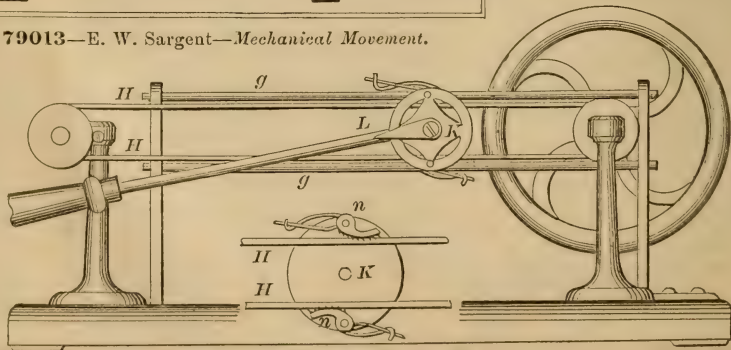
79011—D. Sager—Corn Husking Machine.



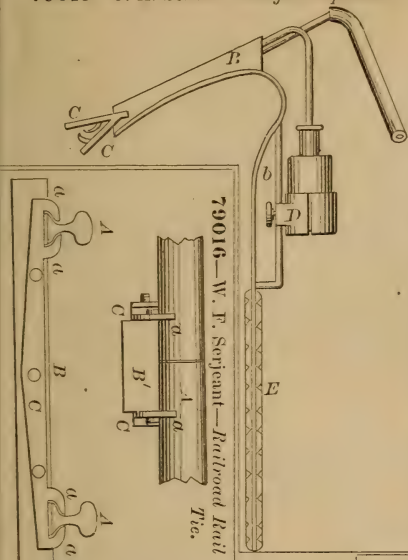
79014—J. W. Schreiber—Lamp Burner.



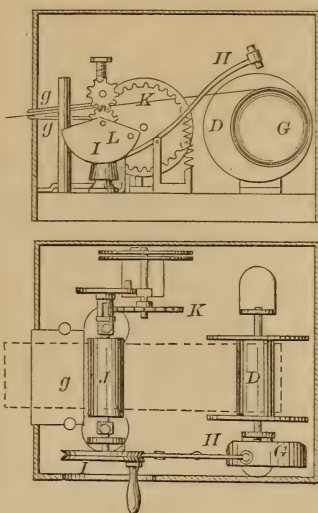
79013—E. W. Sargent—Mechanical Movement.



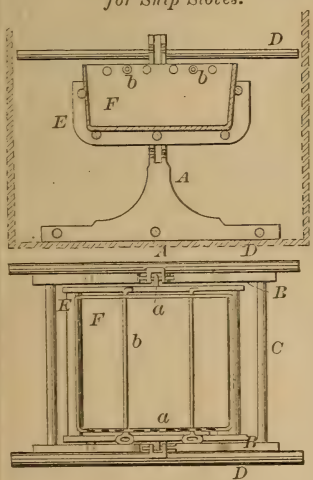
79015—O. A. Schulz—Tongue Depressor.



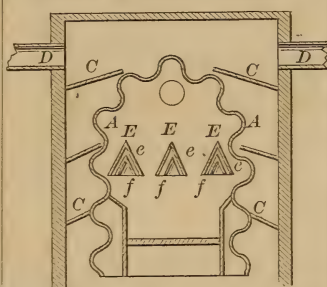
79017—Sichel & Feust—Ticket Register.



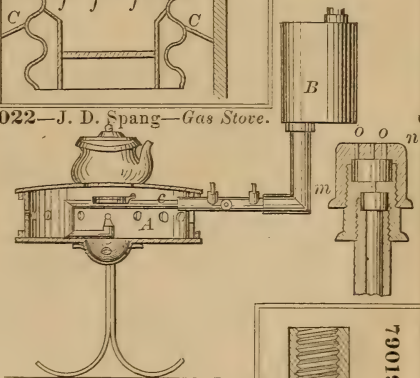
79018—F. L. A. Smith—Oven Rack for Ship Stores.



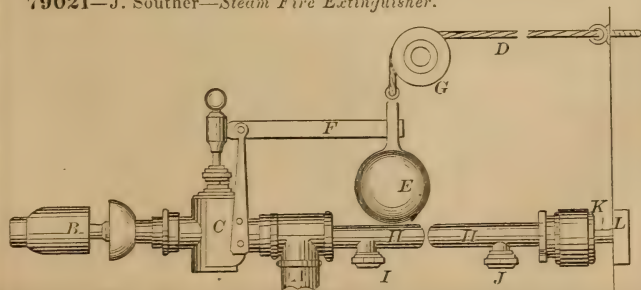
79020—S. Smith—Furnace.



79022—J. D. Spang—Gas Stove.



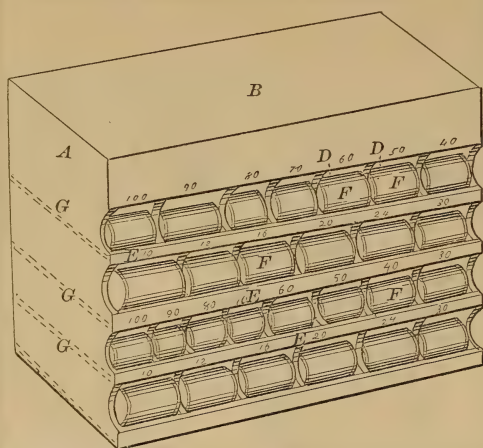
79021—J. Souther—Steam Fire Extinguisher.



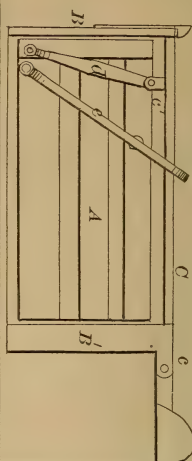
79019—R. D. O. Smith—Connecting Rod Adjustment.



79023—A. Steward—Thread Show Case.



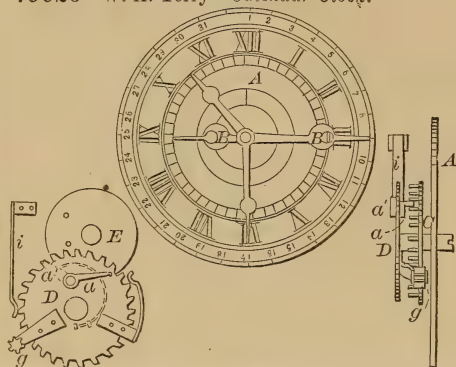
79025—A. Taylor—Farm Gate.



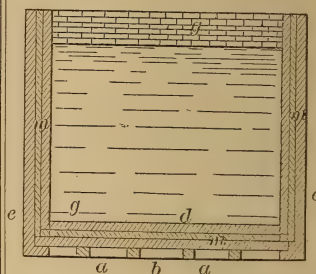
79029—W. R. Thomas—Car Wheel.



79026—W. A. Terry—Calendar Clock.



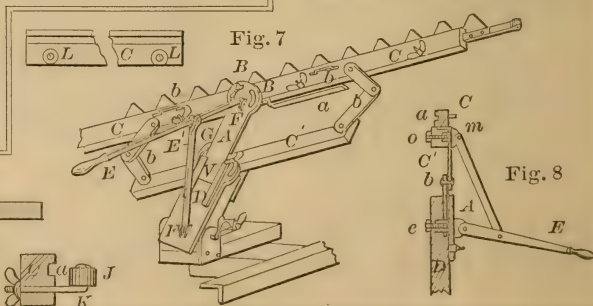
79028—M. Thode—Subterranean Wall.



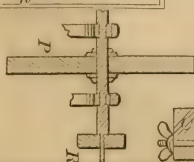
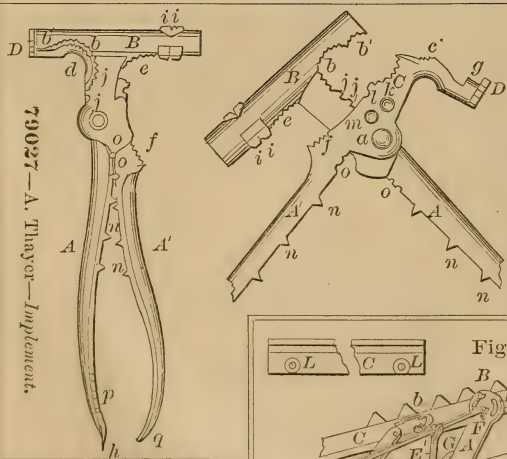
79024—E. Sullivan—For Covering Horse Collars.



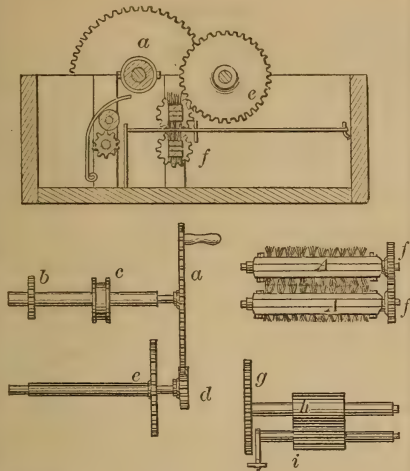
79030—J. A. Thompson—For Grinding Mowing Machine Knives.



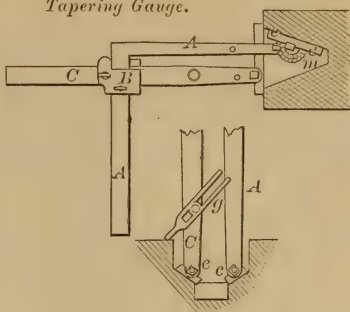
79027—A. Thayer—Implement.



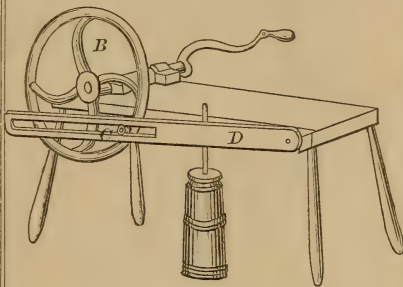
79031—J. A. Thompson—*For Cleaning Intestines of Animals.*



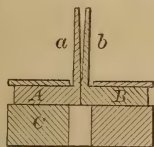
79032—D. H. Tierney—*Bevel and Tapering Gauge.*



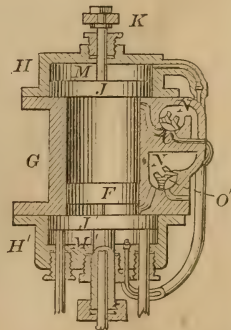
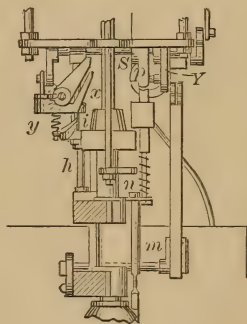
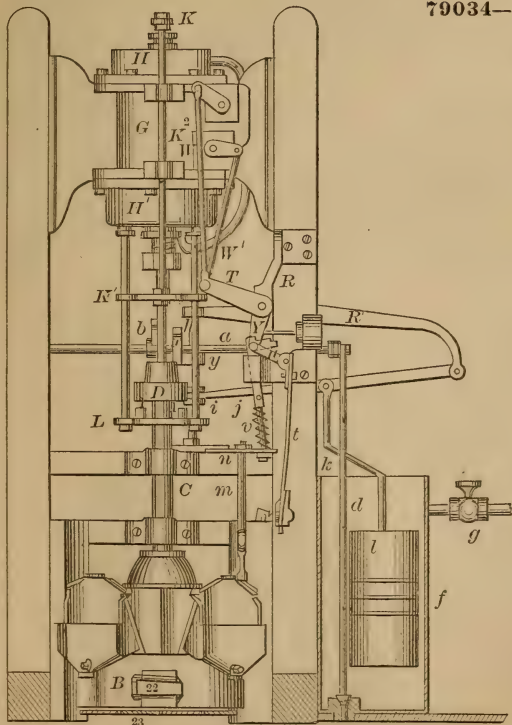
79035—W. H. & L. Waddell—*Churn.*



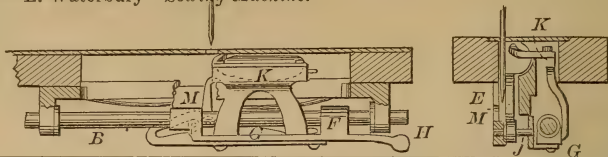
79036—W. Wallace—*For Forming Lamp Tubes.* 99



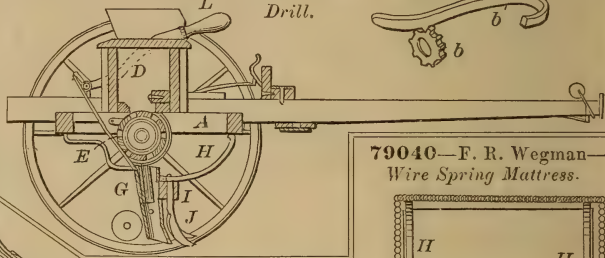
79034—Uren & Walker—*Stamp Mill.*



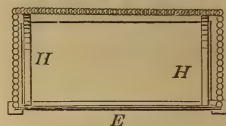
79037—E. Waterbury—*Sewing Machine.*



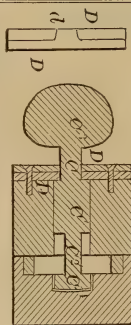
79038—J. Weaver, Jr.—*Corn Planter and Seed Drill.*



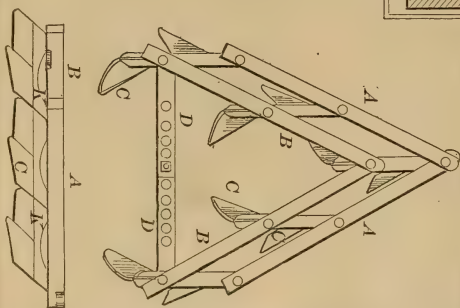
79040—F. R. Wegman—
Wire Spring Mattress.



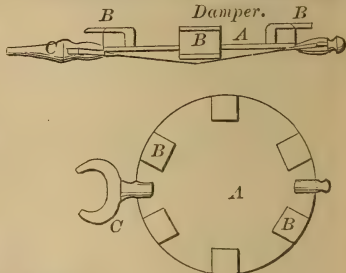
79047—F. Zell—Shutter Fastening



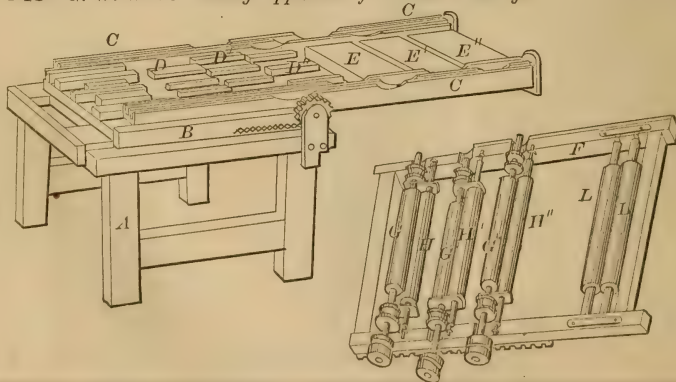
79042—F. R. Willson—*Harrow.*



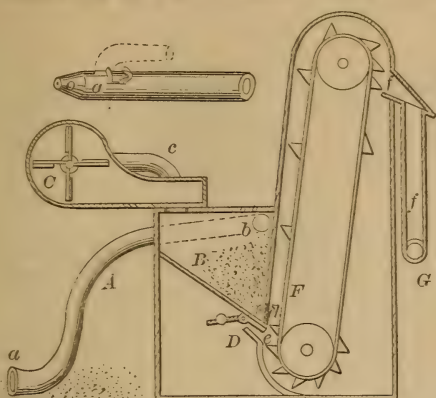
79041—D. A. White—Store Pipe
B Damper. B



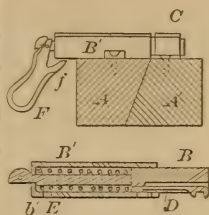
79043—G. W. Wood—*Inking Apparatus for Color Printing.*



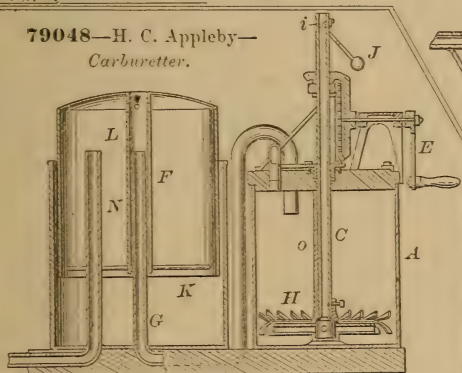
79044—S. W. Wood—Pneumatic Grain Elevator.



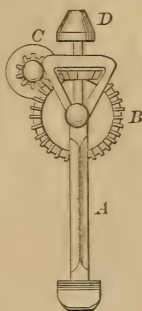
79046—F. Zell—Sash Fastener.



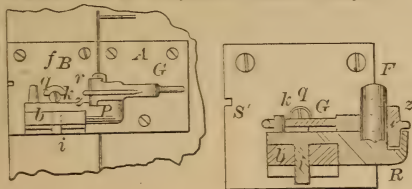
79048—H. C. Appleby—Carburetter.



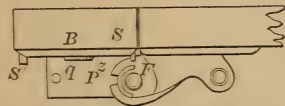
79049—D. W. Ayres—For Grinding Tools.



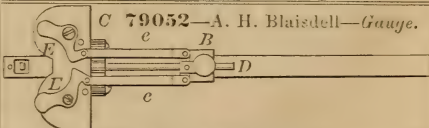
79051—E. H. Benjamin—Shutter Hinge.



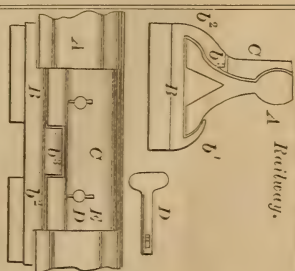
79050—L. H. Baker—Lounge.



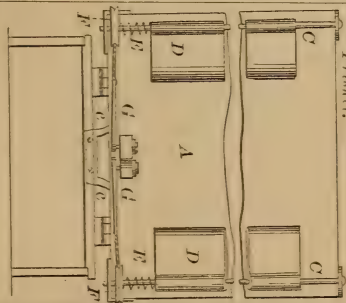
79052—A. H. Blaisdell—Gauge.



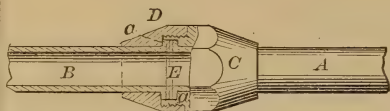
79051—J. A. Cross—Railway.



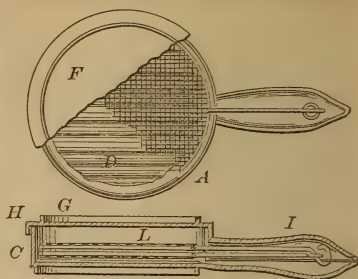
79053—Castle & Conner—Frisht.



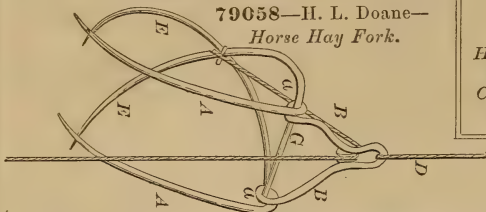
79055—I. Davis—*Connection for Soft Metal Pipes.*



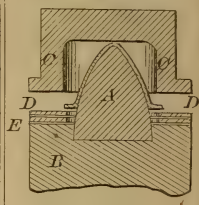
79056—C. Denn—*Gridiron.*



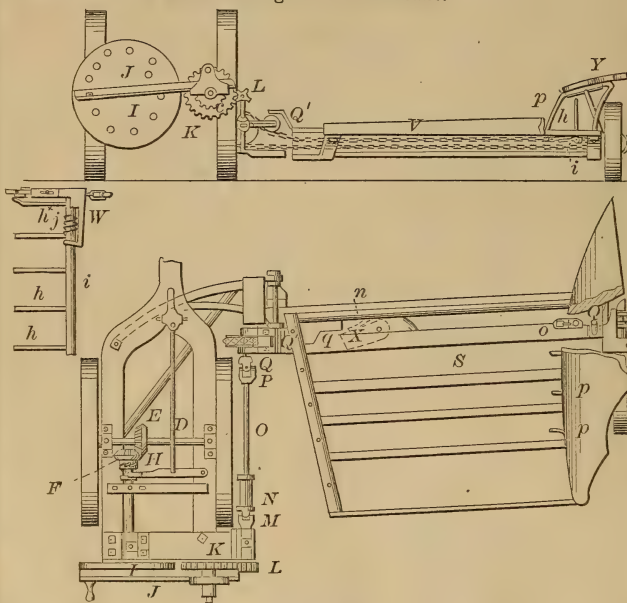
79058—H. L. Doane—*Horse Hay Fork.*



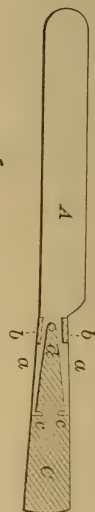
79059—J. Eberhardt—*Hat Blocking Machine.*



79057—H. F. W. Deterding—*Harvester Rake.*



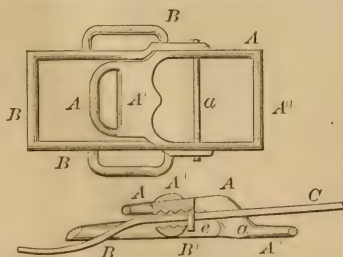
79061—R. H. Fisher—*Cutlery.*



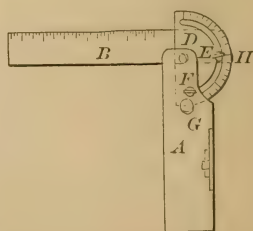
79063—T. J. Flagg—*Necktie and Watch Guard.*



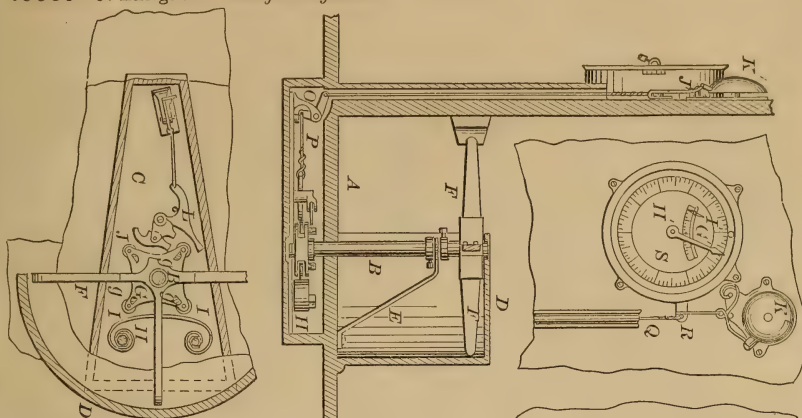
79064—M. Gayhart—*Truce Buckle.*



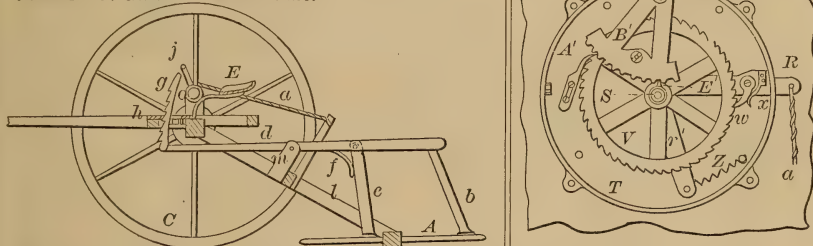
79062—W. T. Fisher—*Bevel Square.*



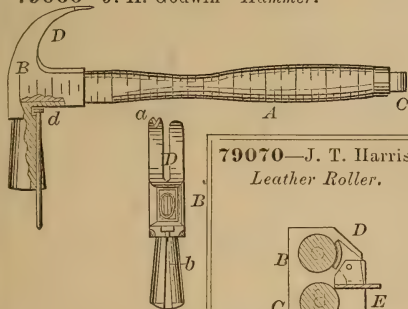
79060—J. Enright—*Passenger Register.*



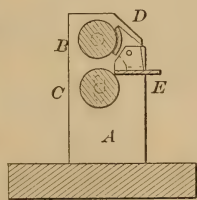
79065—J. Ginther—*Horse Rake.*



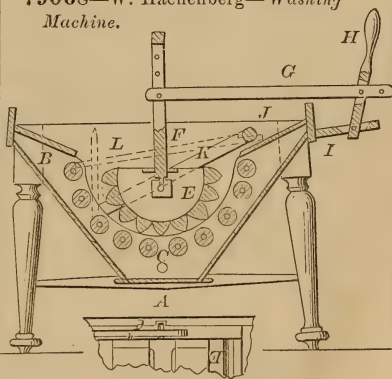
79066—J. H. Godwin—*Hammer.*



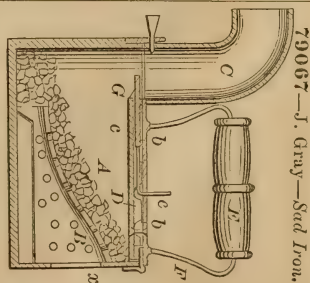
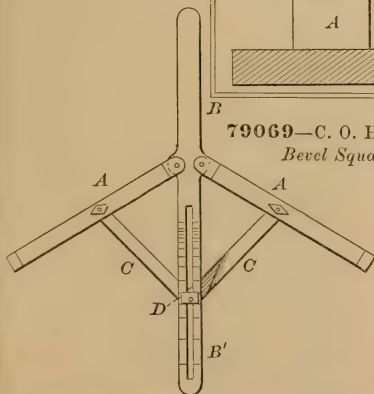
79070—J. T. Harris—*Leather Roller.*



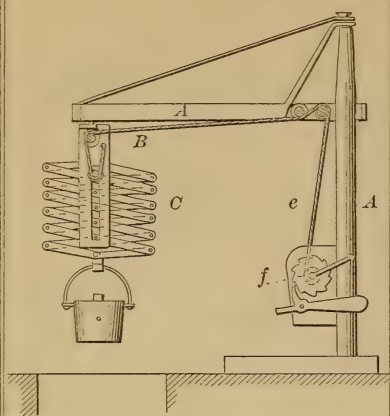
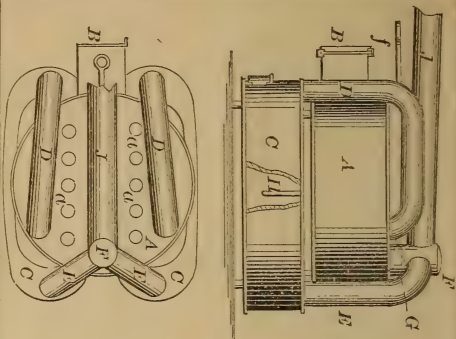
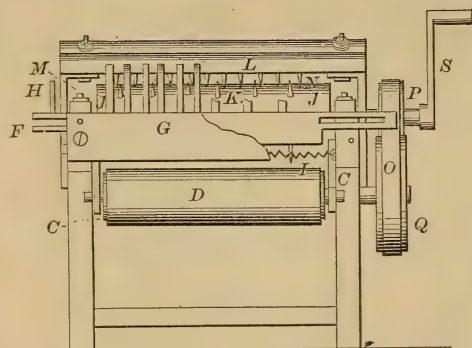
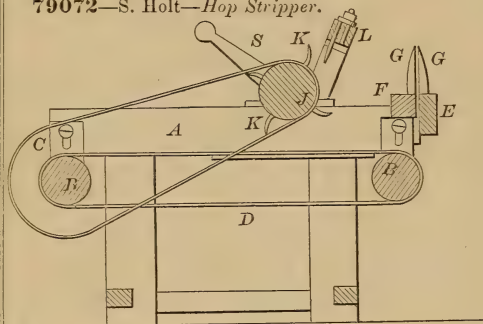
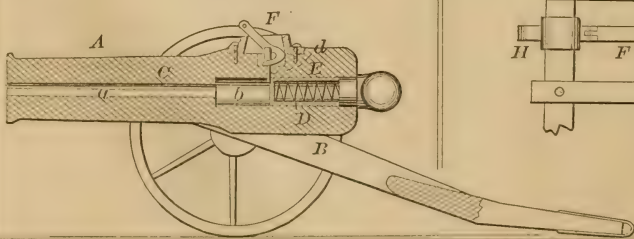
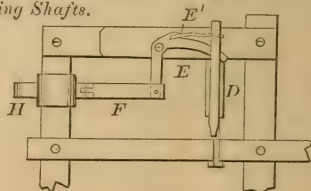
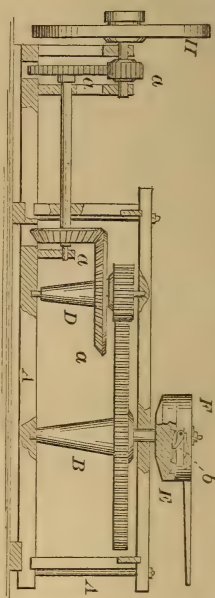
79068—W. Hachenberg—*Washing Machine.*



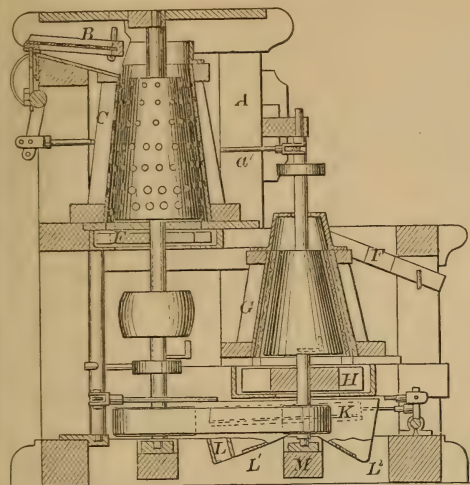
79069—C. O. Hansen—*Bevel Square.*



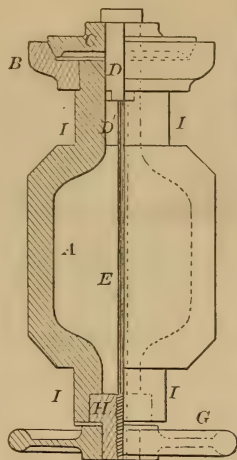
79067—J. Gray—*Sad Iron.*

79071—D. Head—*Hoisting Apparatus.*79075—Lee & Hardenbergh—*Hot Air Furnace.*79072—S. Holt—*Hop Stripper.*79073—G. E. Hutchinson—*Toy Cannon.*79076—E. O. Leermo—*Safety Guard for Mining Shafts.*79074—J. H. Kleppinger—*Horse Power.*

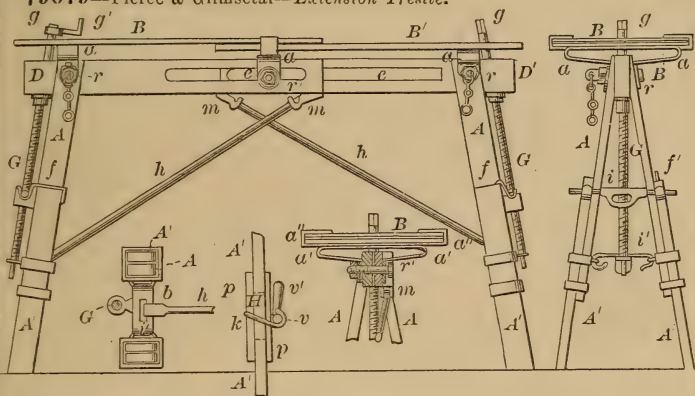
79077—C. Millar—Smut Machine.



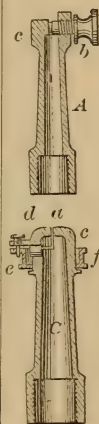
79080—W. T. Porter—For Stopping and Starting Calendar Rolls.



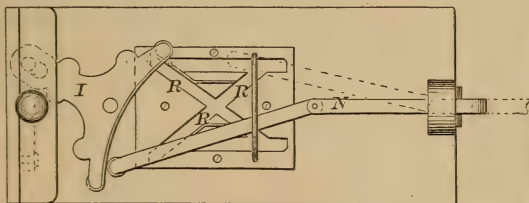
79079—Pierce & Glimsetal—Extension Trestle.



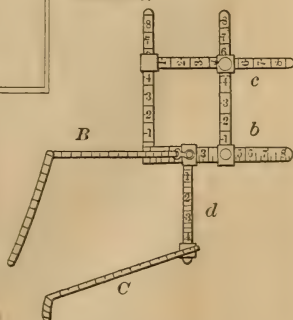
79081—A. C. Rand—Gas Burner.



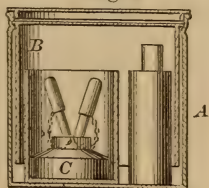
79082—Roush & Truby—Organ.



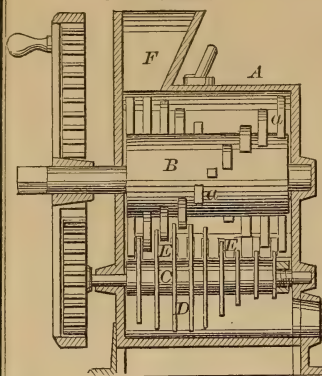
79083—Sinnott & McNaughton—Tailors Measure.



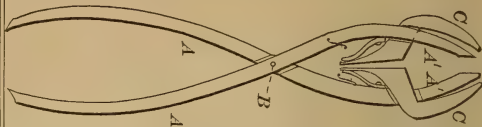
79084—J. Smallwood—Portable Stove.
Fig. 2



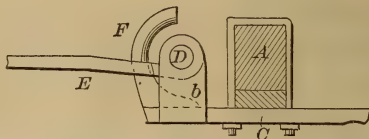
79085—Stockstill & Dille—
Meat Cutter.



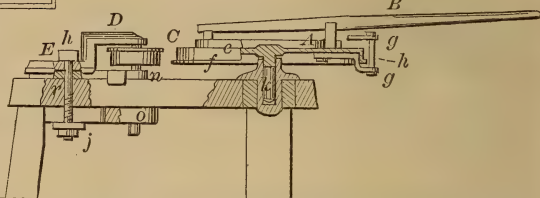
79087—P. Thompson—*Shoe Laster.*



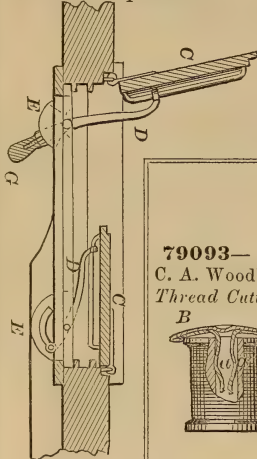
79088—J. P. Thorp—*Thill Coupling.*



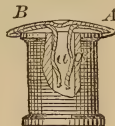
79089—R. Tyrrell—*Tire Bending Machine.*



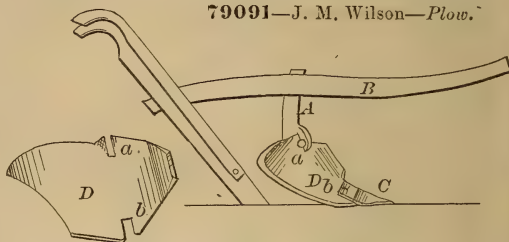
79086—M. Streeter—
Shutter Operator.



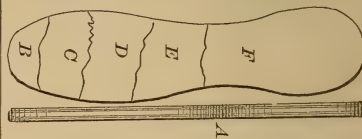
79093—
C. A. Woodbury—
Thread Cutter.



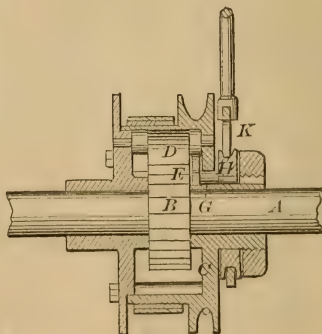
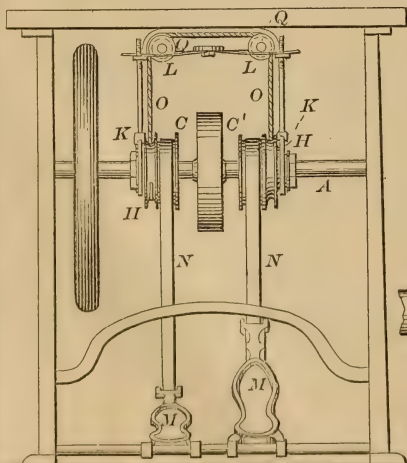
79091—J. M. Wilson—*Plow.*



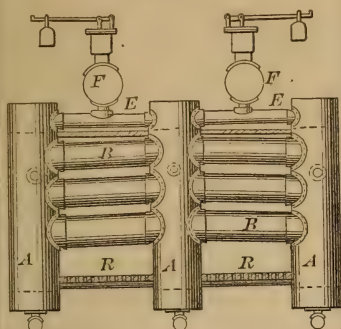
79090—R. A. Webster—*Inner Sole.*



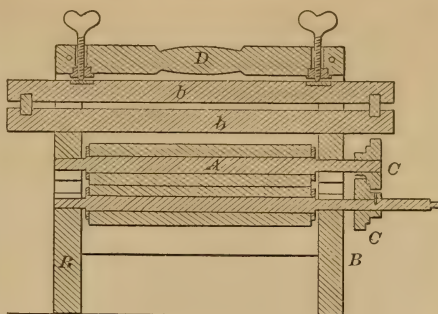
79092—K. J. Winslow—*For
Converting Motion.*



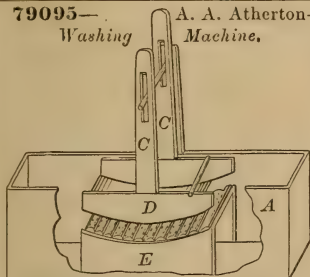
79094—J. Armstrong—*Steam Generator.*



79096—A. M. Bailey—*Wringer.*



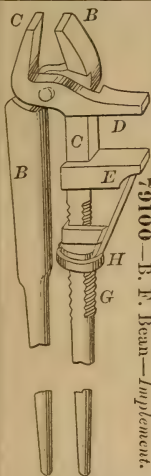
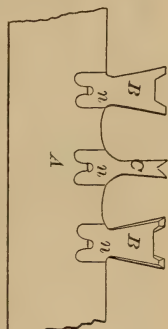
79095—A. A. Atherton—*Washing Machine.*



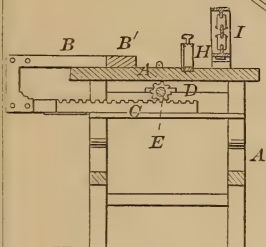
79097—F. Baker—*Cultivating Hops.*



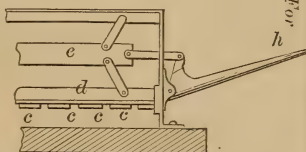
79099—S. Barry—*Shoe.*



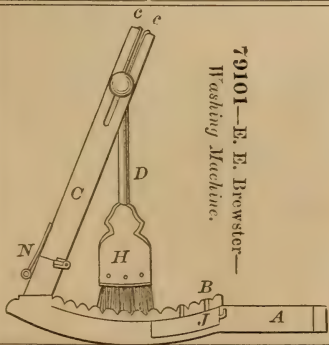
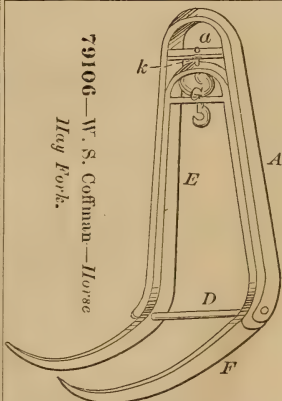
79100—D. F. Bean—*Implement.*



79102—D. S. Brown—*For Cutting Soap.*

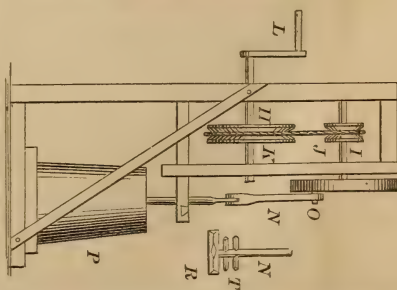


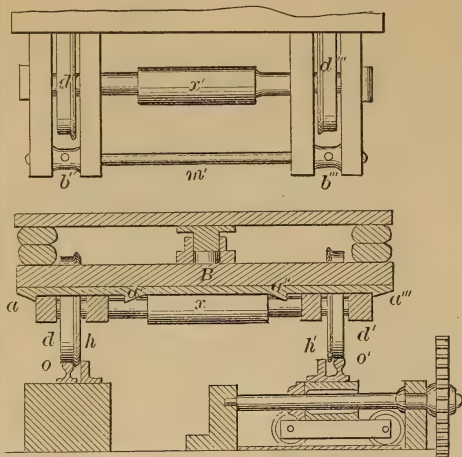
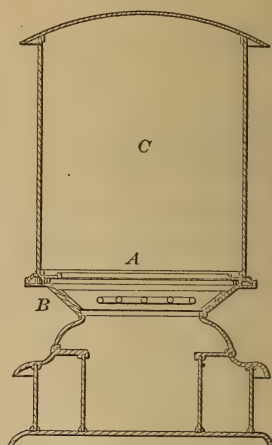
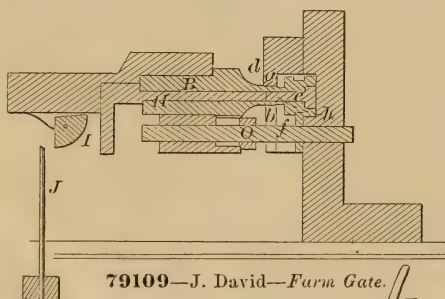
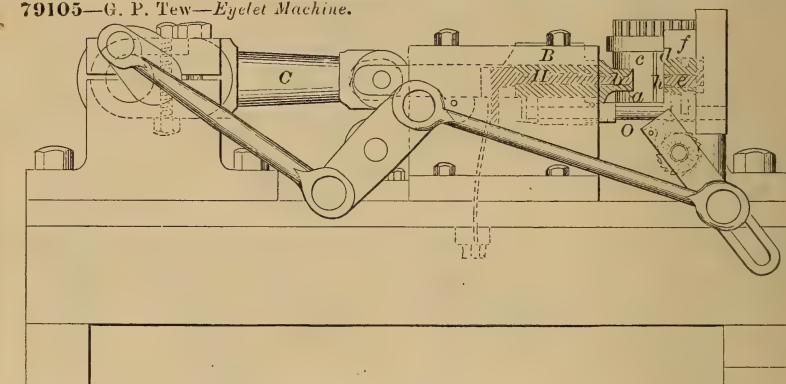
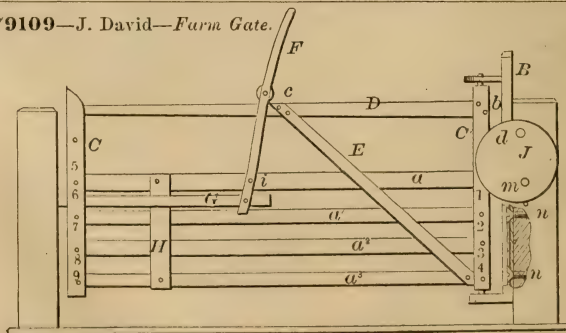
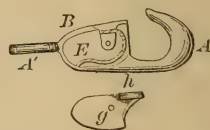
79106—W. S. Coffman—*Horse Hay Fork.*



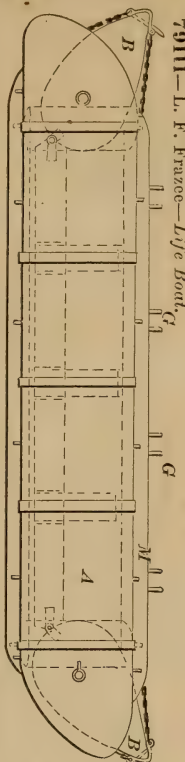
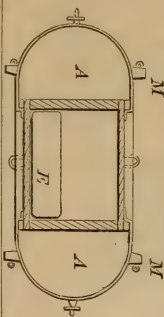
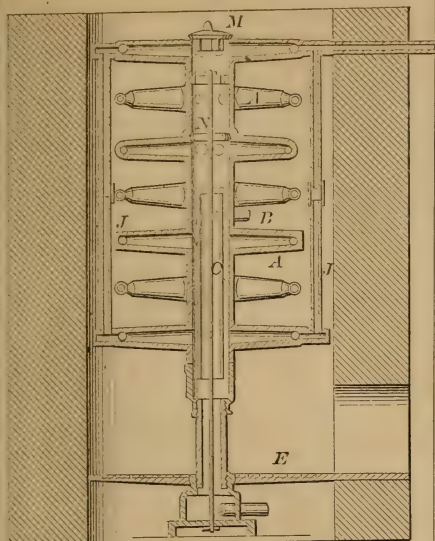
79101—E. E. Brewster—*Washing Machine.*

79103—M. Calvert—*Churn.*



79104—H. T. Carter—*Car Truck*79108—D. B. Cox—*Ring for Stoves.*79105—G. P. Tew—*Eyelet Machine.*79109—J. David—*Farm Gate.*79107—E. A. Cooper—*Harness Snap.*

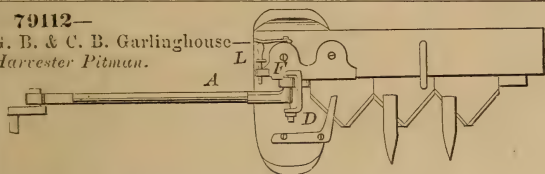
79110—G. B. Field—*Steam Generator.*



79111—L. F. Frazee—*Life Boat.*

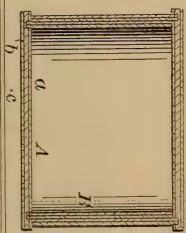
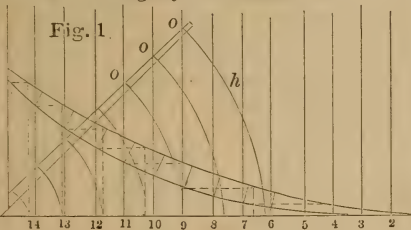
79112—

G. B. & C. B. Garliaghhouse—*Harvester Pitman.*



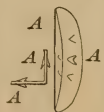
79114—W. Hagerty—*Steamboat Hull.*

Fig. 1.

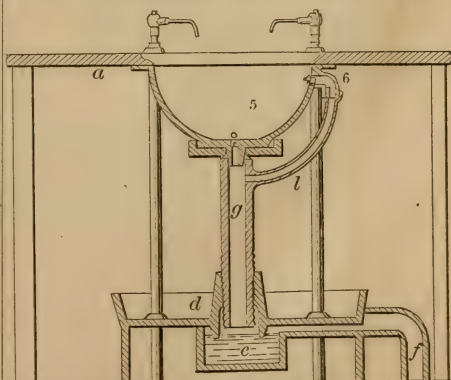


79113—W. B. Guernsey—*Box.*

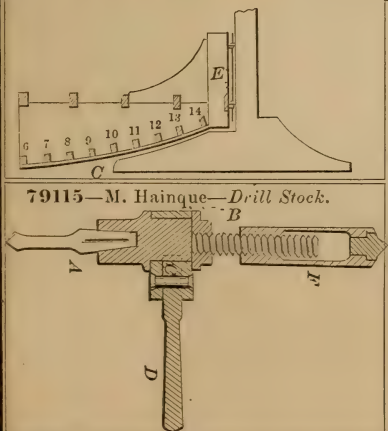
79116—D. E. Hall—*Joint Clamp.*

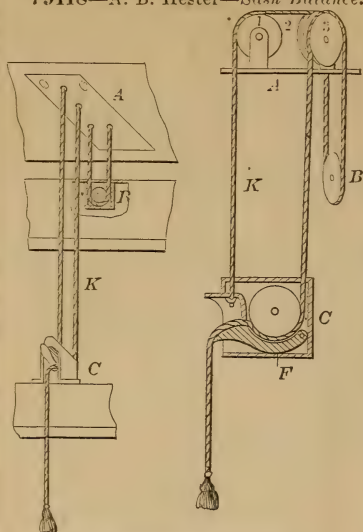
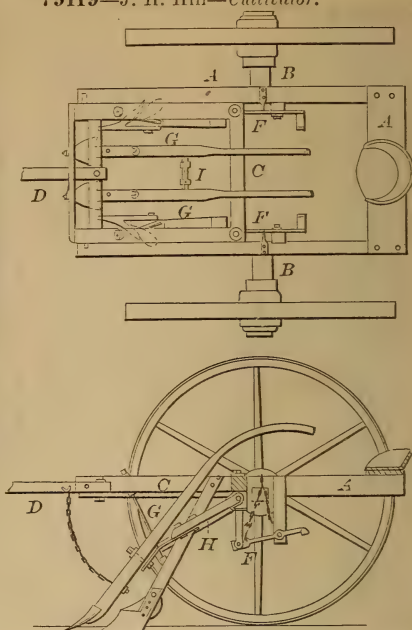
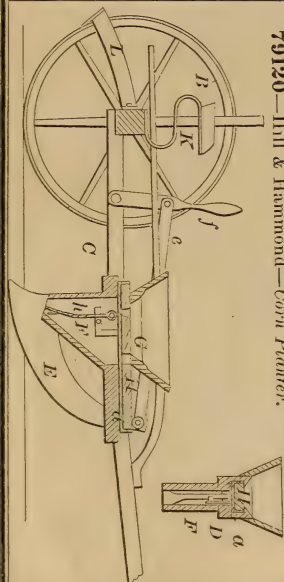
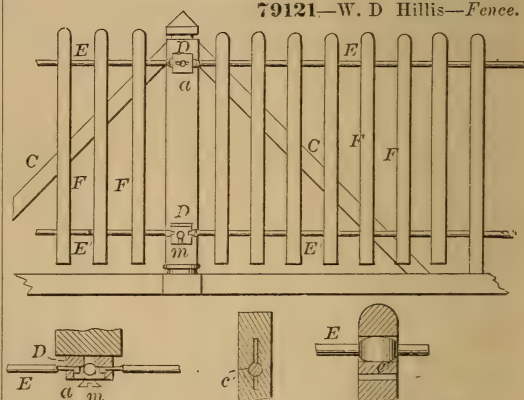
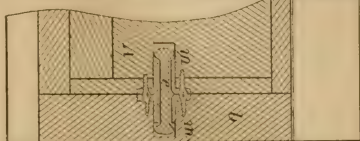
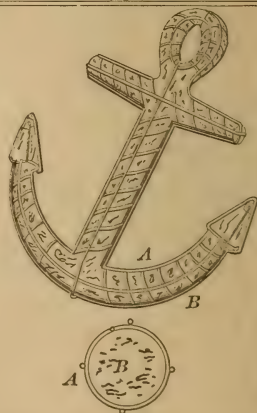


79117—B. Havanagh—*Wash Basin Pipe.*

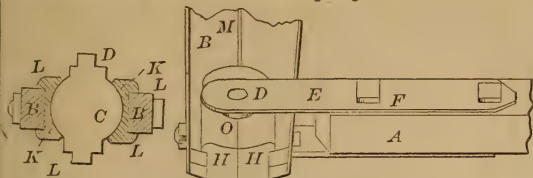


79115—M. Hainque—*Drill Stock.*

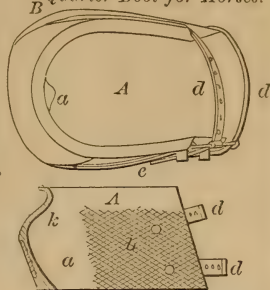


79118—A. B. Hester—*Sash Balance.*79119—J. H. Hill—*Cultivator.*79120—Hill & Hammond—*Corn Planter.*79121—W. D. Hillis—*Fence.*79123—A. Holbrook, Jr.—*Book Binding.*79125—S. W. Huntington—*Door Spring.*79122—C. Hochbrunn—*Flower Frame.*

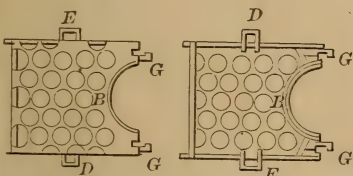
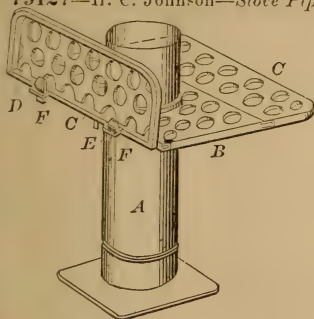
79124—J. F. Hollister—Door Spring.



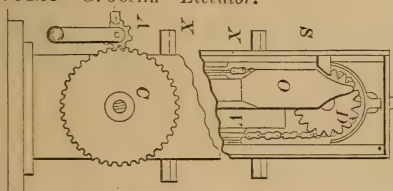
79128—W. H. Jones—
Quarter Boot for Horses.



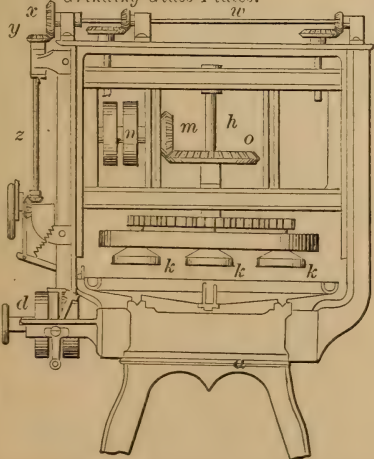
79127—H. C. Johnson—Store Pipe Shelf.



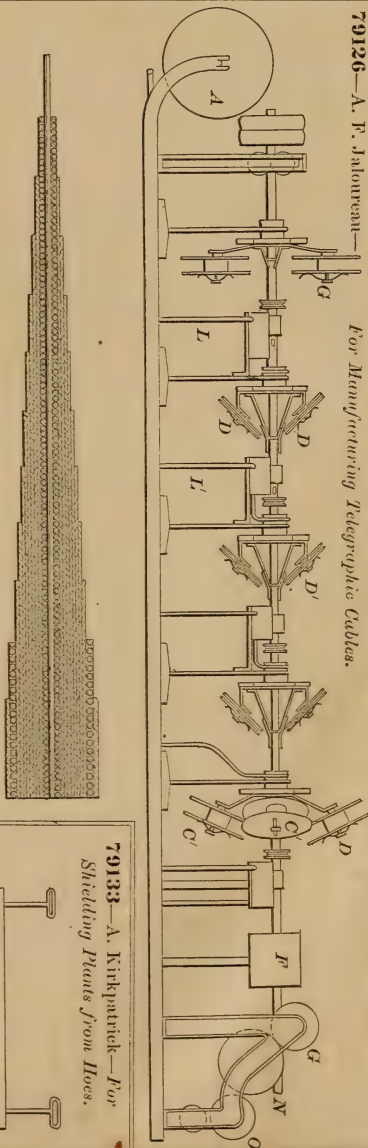
79129—G. Joslin—Elevator.



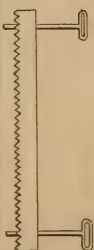
79131—Kendall & Hathaway—For
Grinding Glass Plates.



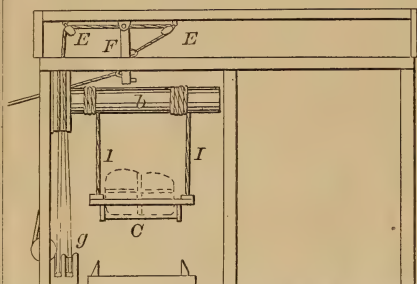
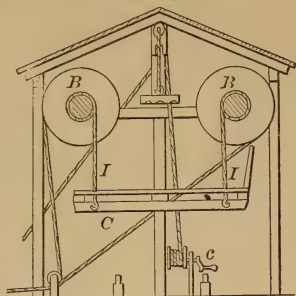
79126—A. F. Jalouzeau—
For Manufacturing Telegraphic Cables.



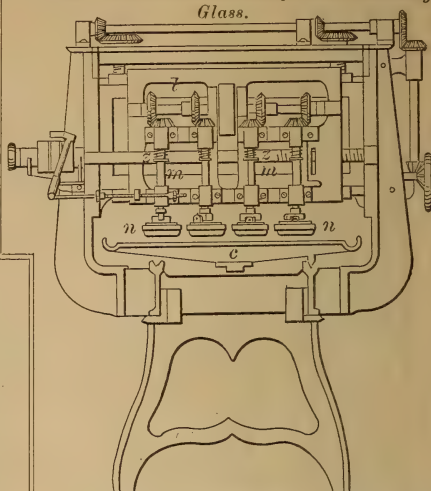
79133—A. Kirkpatrick—For
Shedding Plants from Hoes.



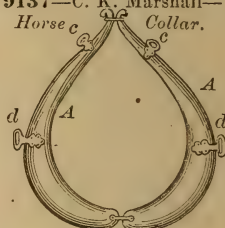
79130—H. Keck—Hay Elevator.



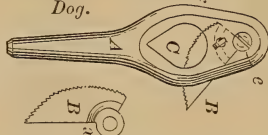
79132—Kendall & Hathaway—For Polishing Glass.



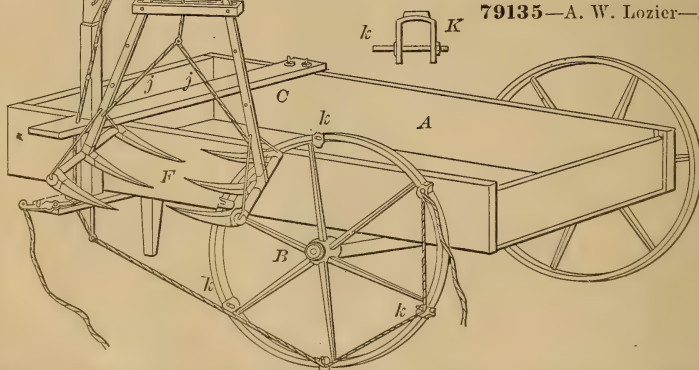
79137—C. K. Marshall—Horse Collar.



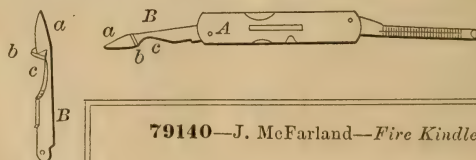
79134—R. H. Lecky—Lathe Dog.



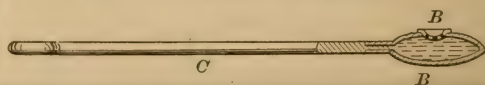
79135—A. W. Lozier—Hay Loader.



79139—J. E. McBeth—Pocket Knife.



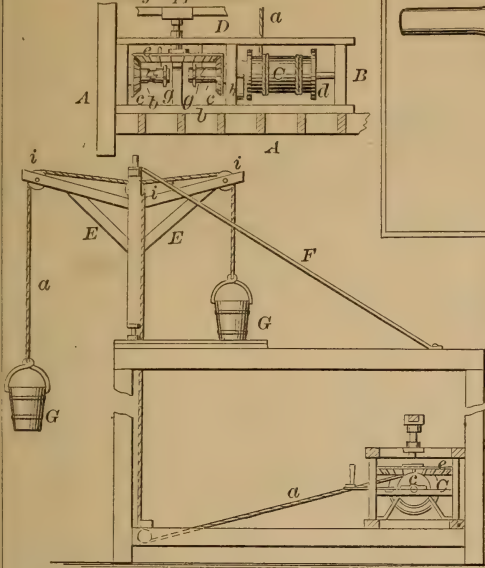
79140—J. McFarland—Fire Kindler.



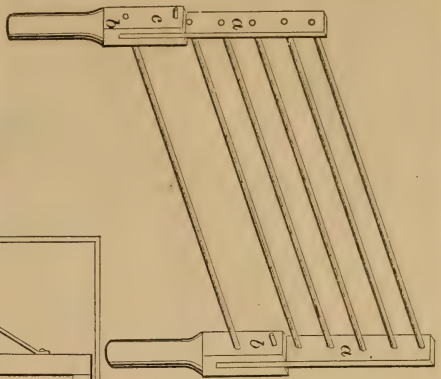
79136—Lyder & Shreve—Slicing Belting.



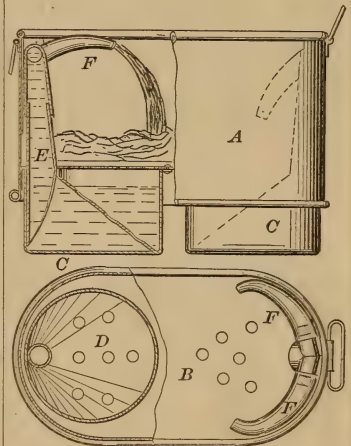
79138—Marshall & Schroeder—
Hoisting Apparatus.



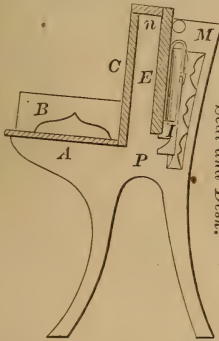
79141—W. McFarlin—Fence.



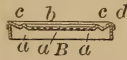
79142—C. E. Miller—Wash Boiler.



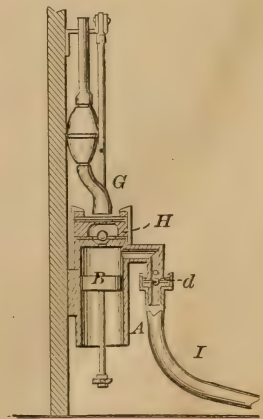
79145—A. E. Roberts—School
Seat and Desk.



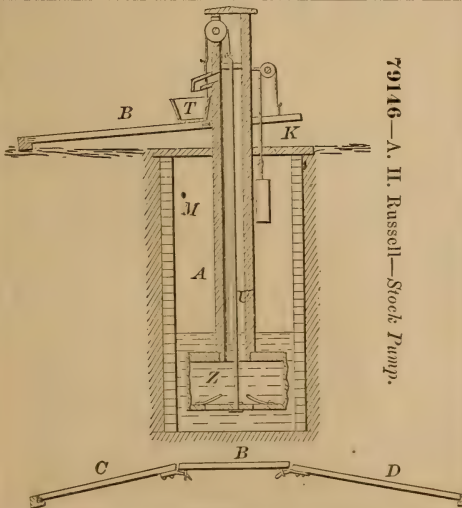
79144—C. T. Palmer—Spice Can.



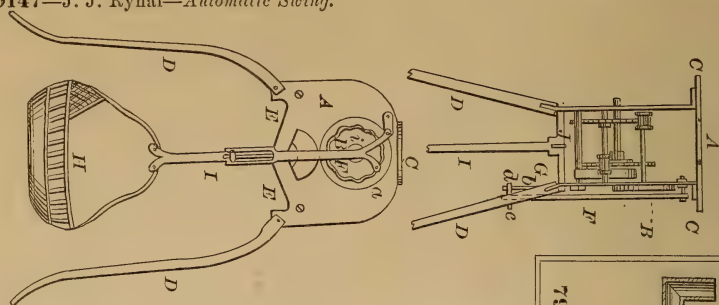
79143—G. F. Nutting—Pump.



79146—A. H. Russell—Stock Pump.



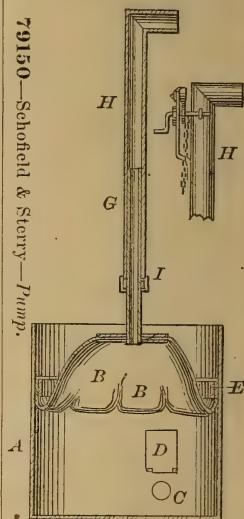
79147—J. J. Rynal—Automatic Swing.



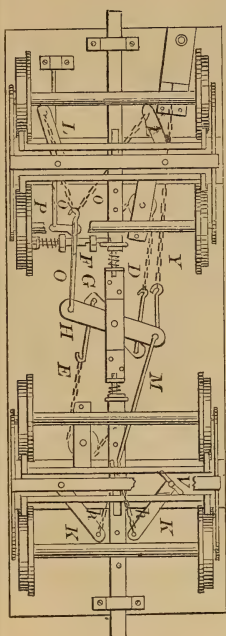
79148—L. E. Sallee—Leather Work Ornament.



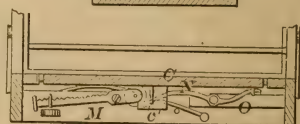
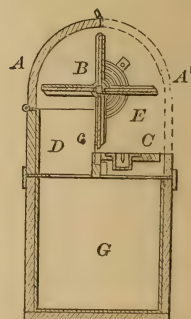
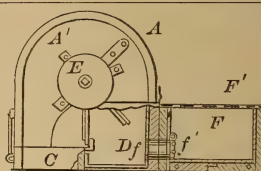
79150—Schofield & Story—Pump.



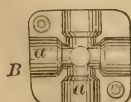
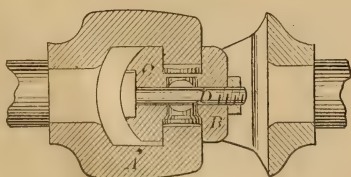
79149—A. H. Sussman—Cup Brake.

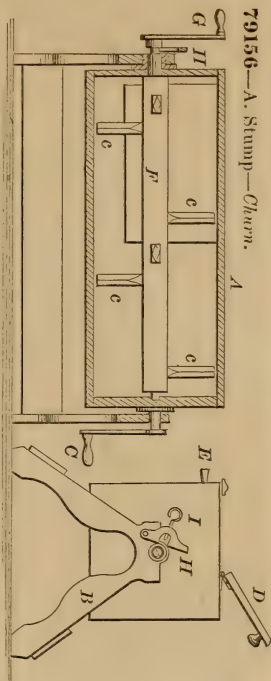


79154—G. C. Stamper—Animal Trap.

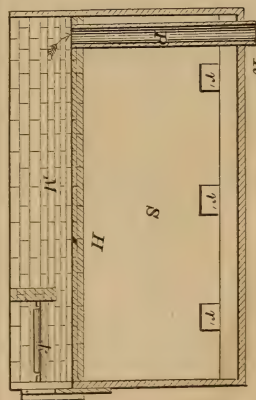


79153—W. Smead—Joint Coupling.

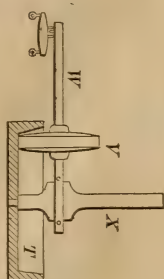




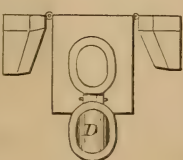
79156—A. Stump—Churn.



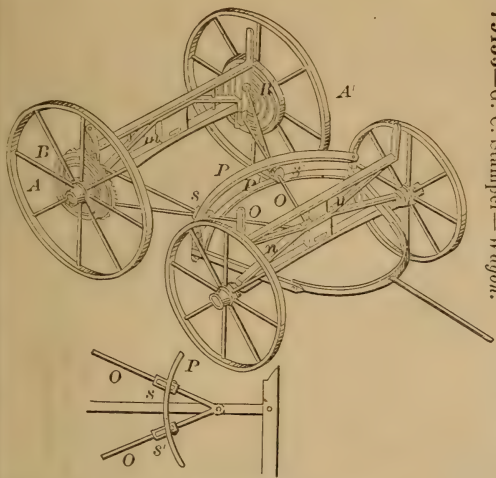
79160—D. A. Ter Hooen—Manufacture of Fertilizers.



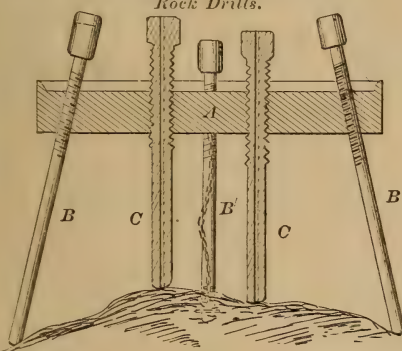
79162—L. Thomas—
Bottle Mould.



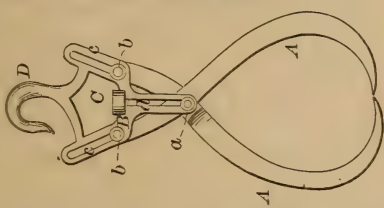
79155—G. C. Stumper—Wagon.



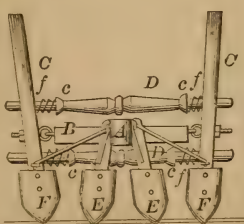
79158—Sweeney & Bradburn—Platform for
Rock Drills.

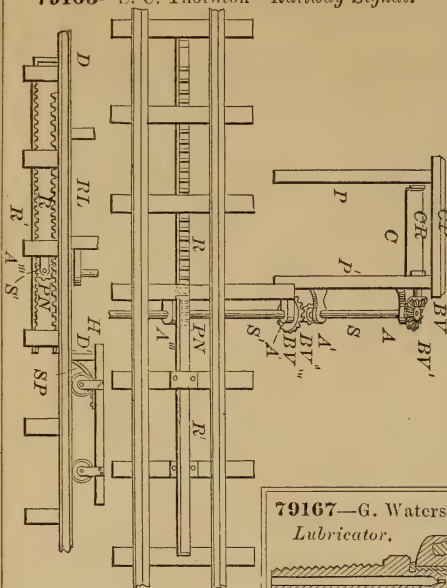
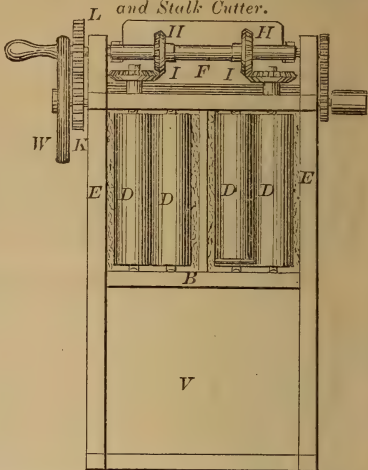
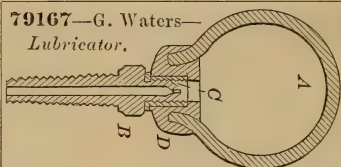
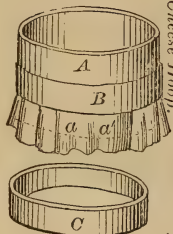
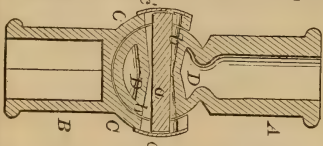
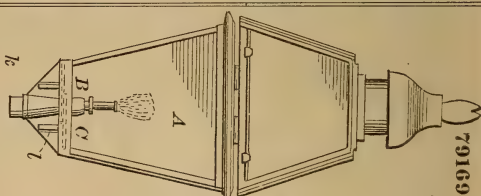
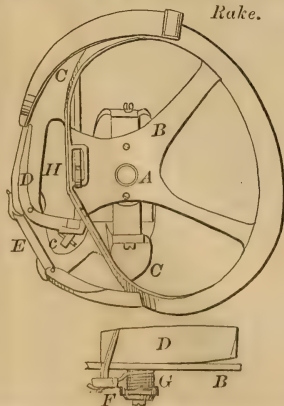
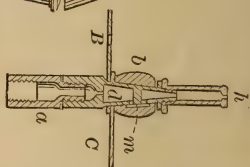
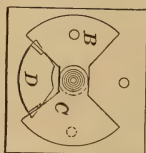
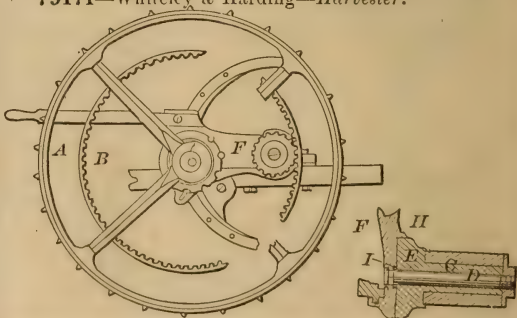


79159—J. B. Sweetland—Hook.

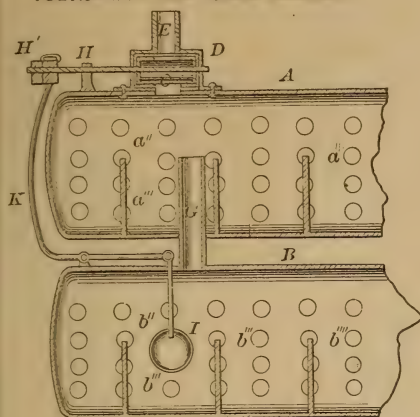


79161—E. Terril—
Cultivator.

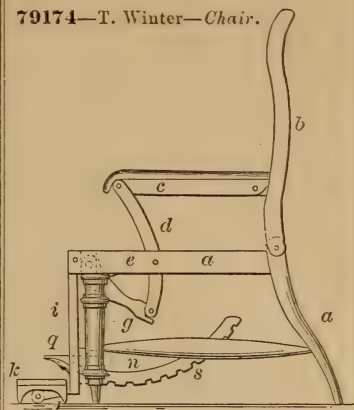


79163—S. C. Thornton—*Railway Signal.*79166—Warriner & Baker—*Corn Husker and Stalk Cutter.*79167—G. Waters—*Lubricator.*79165—S. D. Wackman—*Vehicle Axle.*79164—H. M. Vets—*Cheese Hoop.*79166—S. Wheeler—*Shaft Coupling.*79170—W. N. Whiteley—*Harvester Rake.*79169—W. O. Wheeler—*Street Lamp.*79171—Whiteley & Harding—*Harvester.*

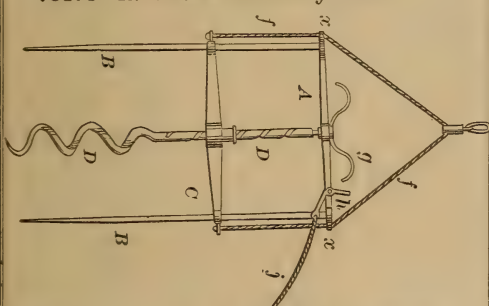
79172—R. Wilde—Steam Generator.



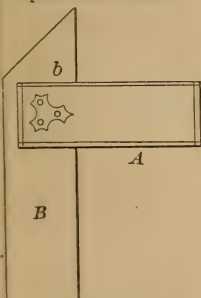
79174—T. Winter—Chair.



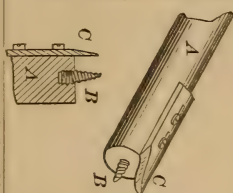
79173—H. Willard—Horse Hay Fork.



79175—
W. S. Winterbottom—
Square and Mitre.



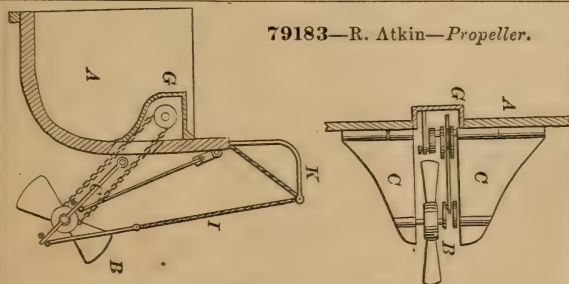
79181—F. T. Andrew—
For Testing Shoe Soles.



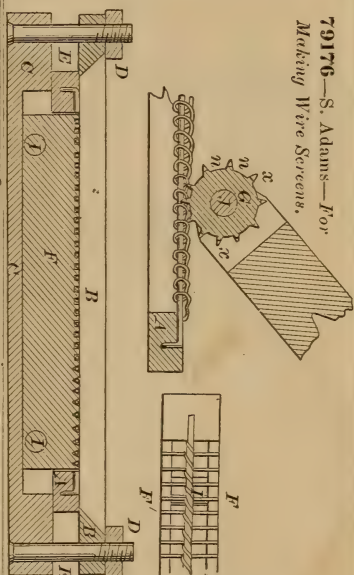
79180—R. B. Anderson—
Securing Buckles to Harness.



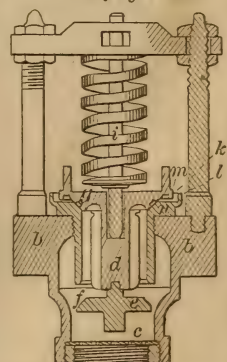
79183—R. Atkin—Propeller.



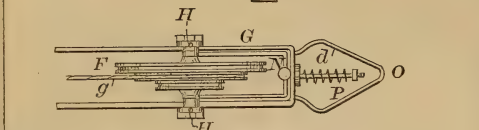
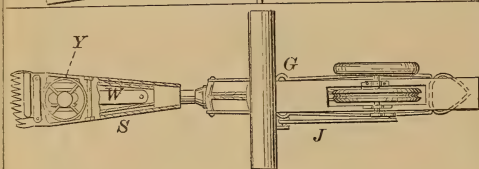
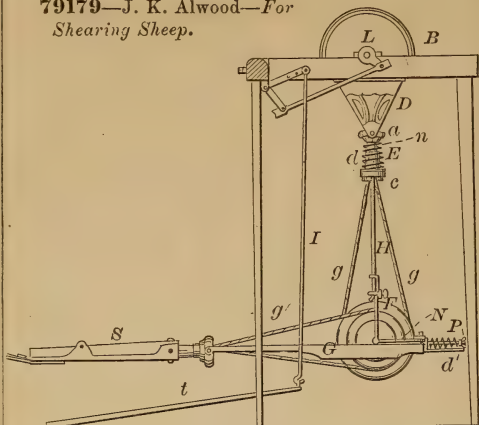
79176—S. Adams—for
Making Wire Screens.



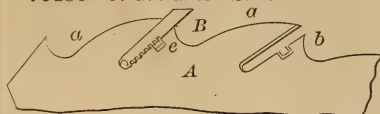
79182—E. H. Ashcroft—
Steam Safety Valve.



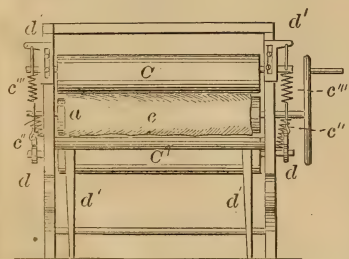
79179—J. K. Alwood—*For Shearing Sheep.*



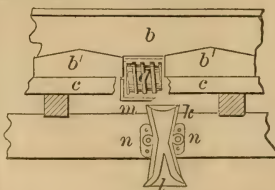
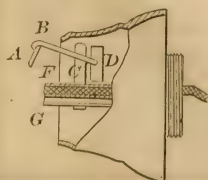
79185—J. G. Baker—*Saw.*



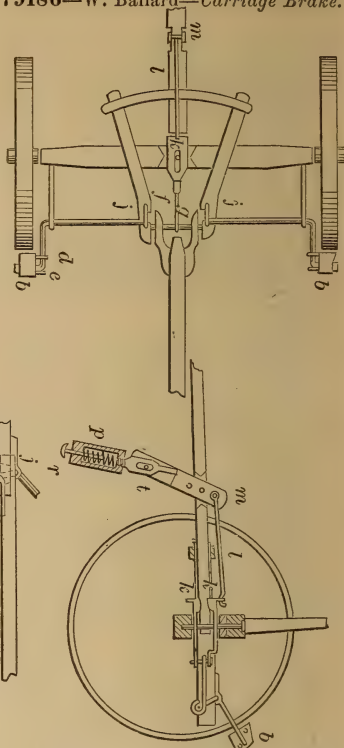
79188—J. Beaumont—*Mangle.*



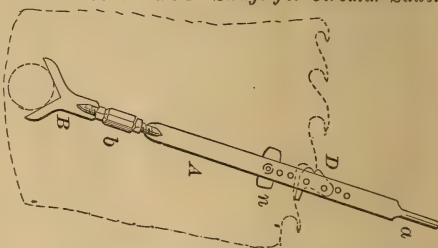
79187—
S. J. Batchelder—
Lamp Extinguisher.



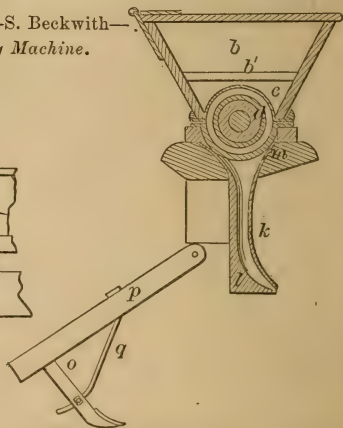
79186—W. Ballard—*Carriage Brake.*



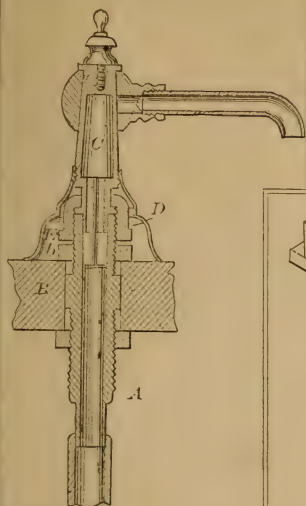
79184—J. G. Baker—*Swage for Circular Saws.*



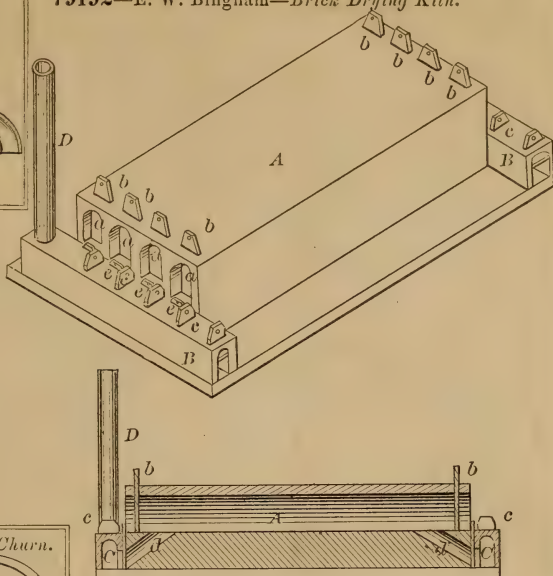
79189—S. Beckwith—
Seeding Machine.



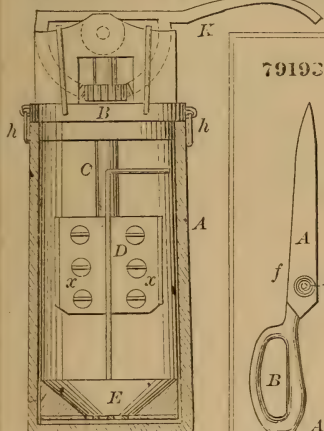
79190—J. Benson—Faucet.



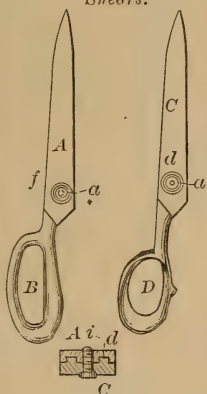
79192—E. W. Bingham—Brick Drying Kiln.



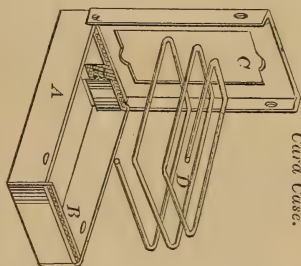
79197—Bradley & Jordan—Churn.



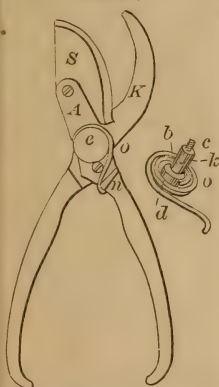
79193—C. Bishop—Shears.



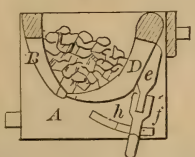
79194—C. C. Blakemore—Curd Case.



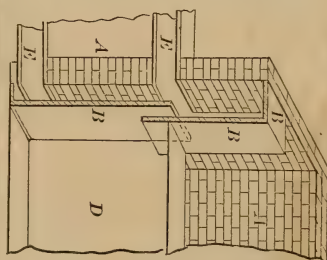
79191—G. Bergner—Shears.



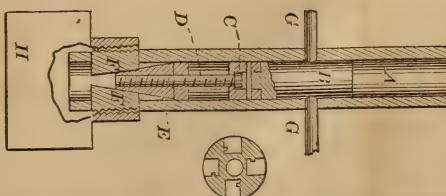
79195—E. Bosdevex—Grate.



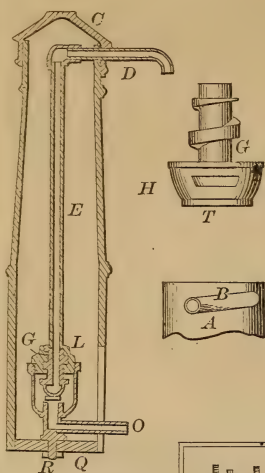
79199—J. Brown—Sewer.



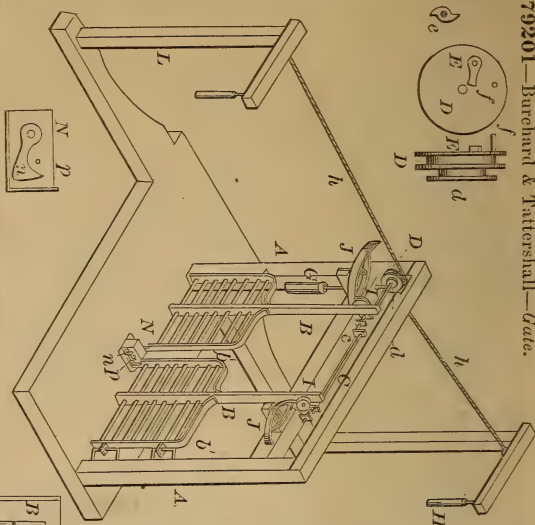
79198—J. Brewer—Mandrel.




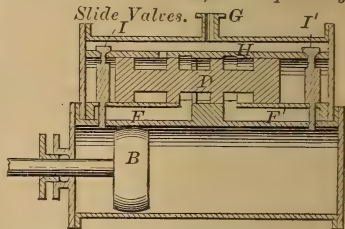
79200—T. Brown—
Hydrant.



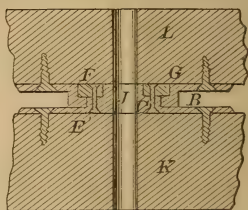
79201—Burchard & Tattershall—Gate.



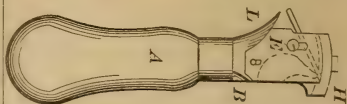
79204—I. Church, Jr.—Operating
Slide Valves.  T'G



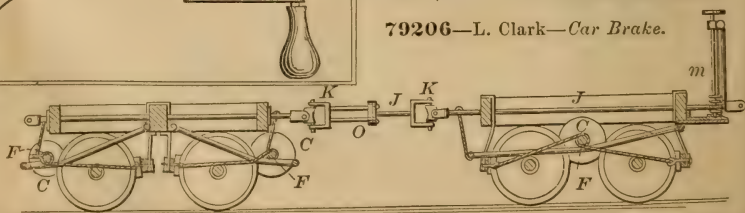
79205—J. B. Clark—*Whifflctree Plate.*



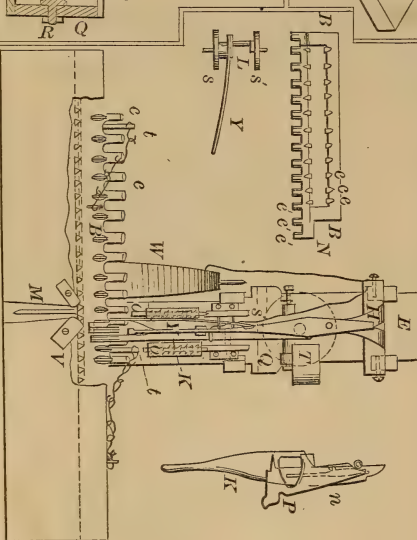
79203—Buxton & Crosby—*Edge Plane for Boots.*



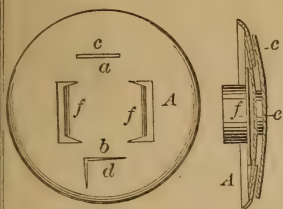
79206—L. Clark—*Car Brake.*



79202—Burson & Nelson—*Knitting Machine.*



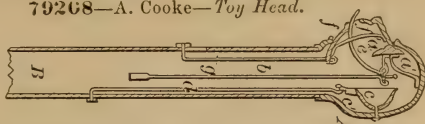
79207—A. Clow—*Guiding Plate for Filling Shuttles.*



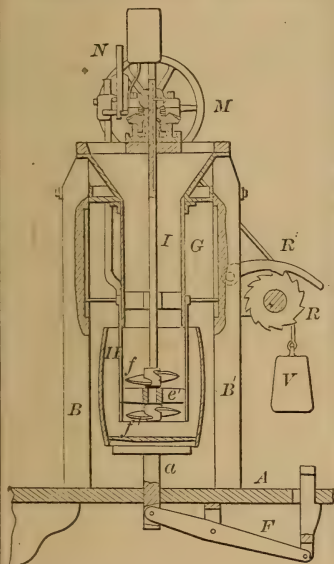
79209—C. Corliss—*For Adding Figures.*



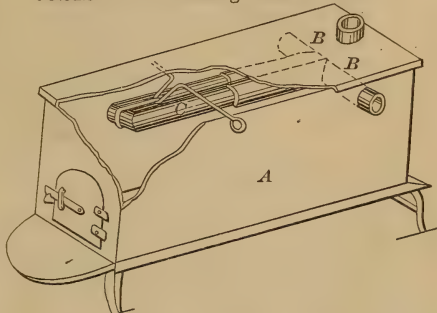
79208—A. Cooke—*Toy Head.*



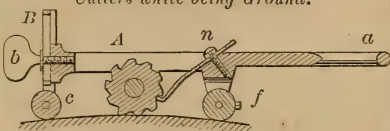
79211—C. Custer—*Flour Packer.*



79212—D. W. Cutting—*Stove Drum.*



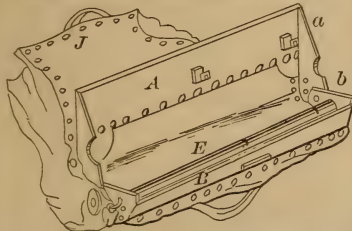
79213—H. Disston—*For Holding Rotary Cutters while being Ground.*



79210—A. J. Cross—*Hoop Skirt Clasp.*

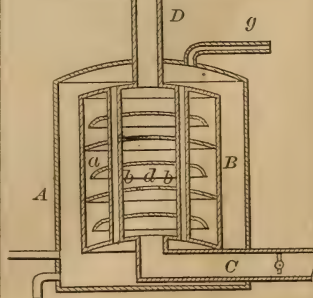
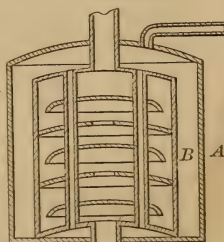


79214—D. F. Dodge—*Mail Bag.*

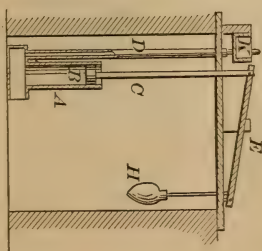


79216—J. E. Earle—*Corkscrew.*

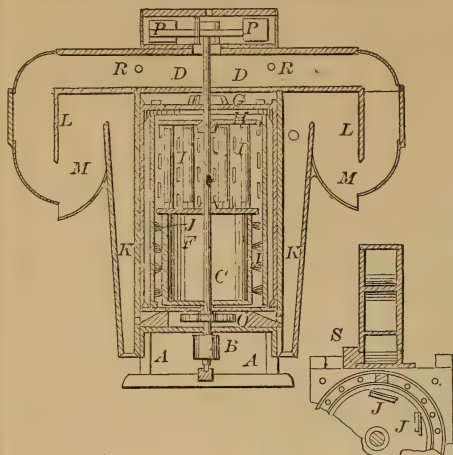
79215—E. Dunscomb—*Steam Generator.*



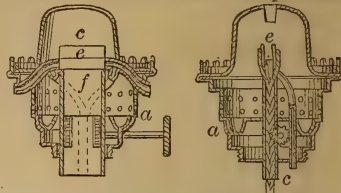
79217—C. F. Eastlack—*Pump.*



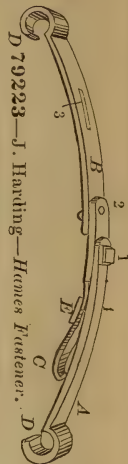
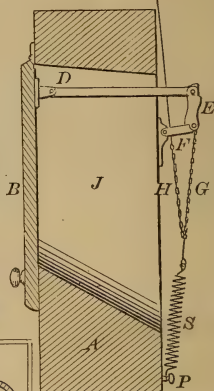
79218—Ewan & Glenn—Smut Mill.



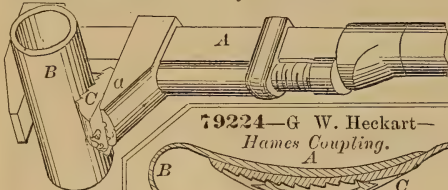
79221—E. A. Galbraith—Lamp Burner.



79222—C. P. Gorely—Letter Box.



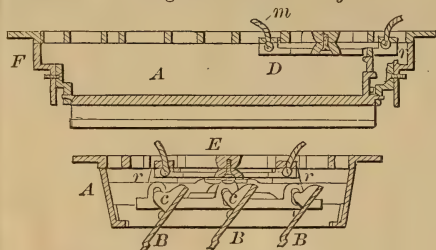
79219—R. Faries—Jaw for Wrenches.



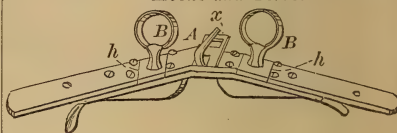
79224—G. W. Heckart—Hames Coupling.



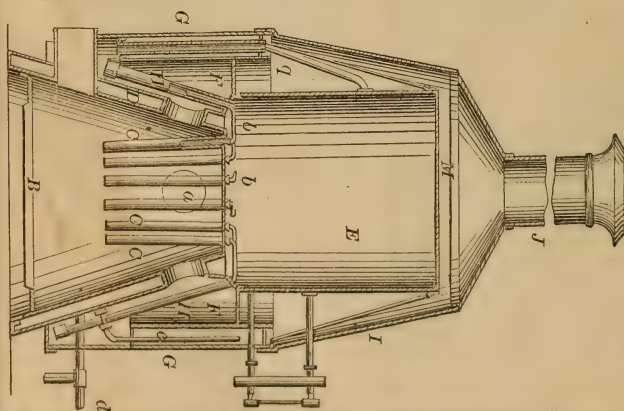
79226—W. Highton—Hot Air Register.



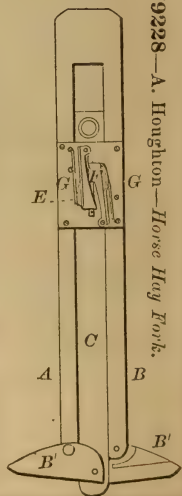
79227—A. L. Hill—Fastening Check Hooks and Terrets.



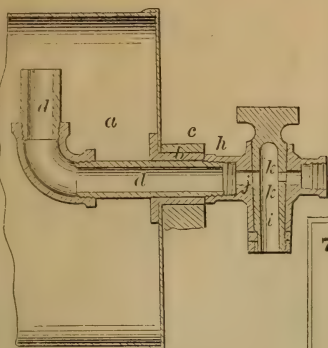
79225—H. Heine—Steam Generator.



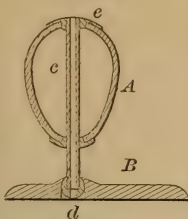
79228—A. Houghton—Horse Hay Fork.



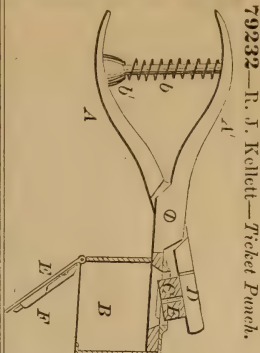
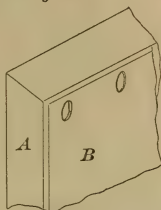
79230—W. Jones—Gas Heater.



79231—B. Joseph—*Резакъ.*

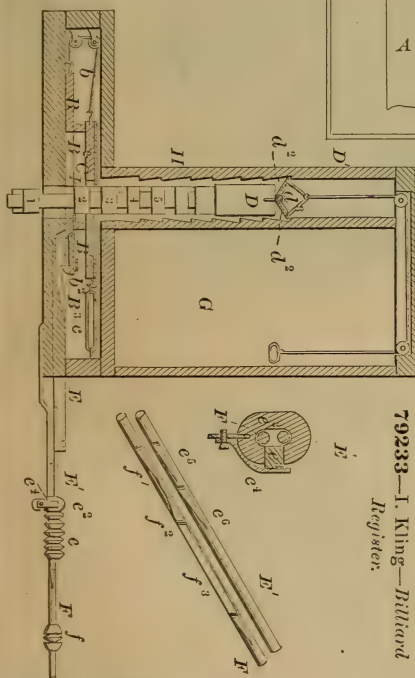
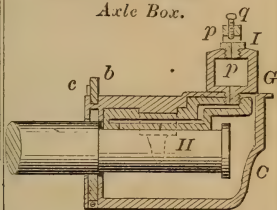


79234—F. A. Kraft—Zincing Iron.

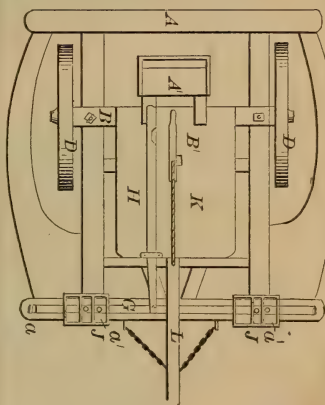


79232—R. T. Kellett—Tiekel Punch.

79238—I. S. Lister—Axle Box.

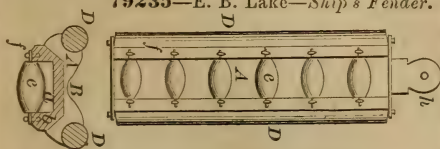


79233—I. King—Billiard Register.

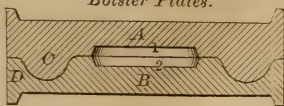


79236—C. L. Lee—Cultivator and Plow.

79235—E. B. Lake—Ship's Fender.



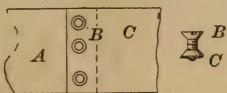
79237—Lewis & Oliver—Manufacturing Bolster Plates.



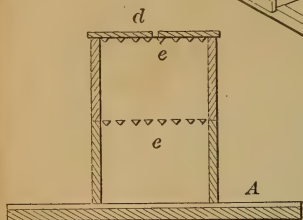
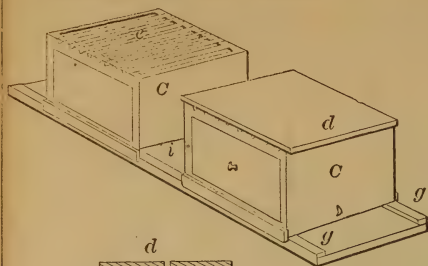
79242—R. M. Mansur—Carpet Stretcher and Tack Holder.



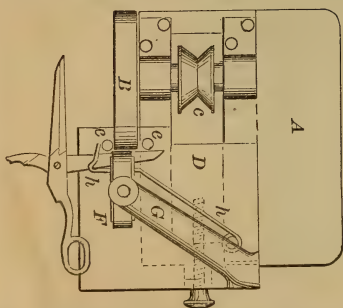
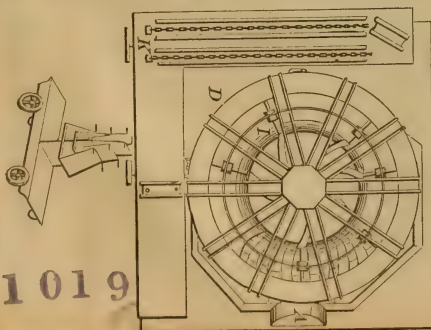
79239—T. S. Livermore—Belt Coupling.



79243—J. McDonald—Beehive.

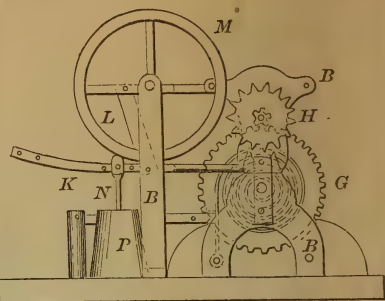


79248—H. North—Sash Fastener.

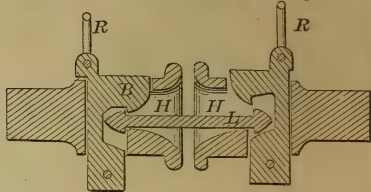
79246—Morse & Collins—
Shears Sharpener.

79247—J. M. Moyer—Brick Dryer.

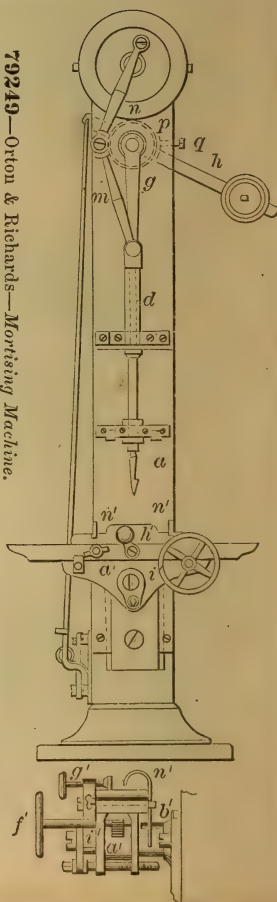
79244—J. H. Monce—Churn.



79245—B. Monro—Car Coupling.



79249—Orton & Richards—Mortising Machine.







SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01585 2478